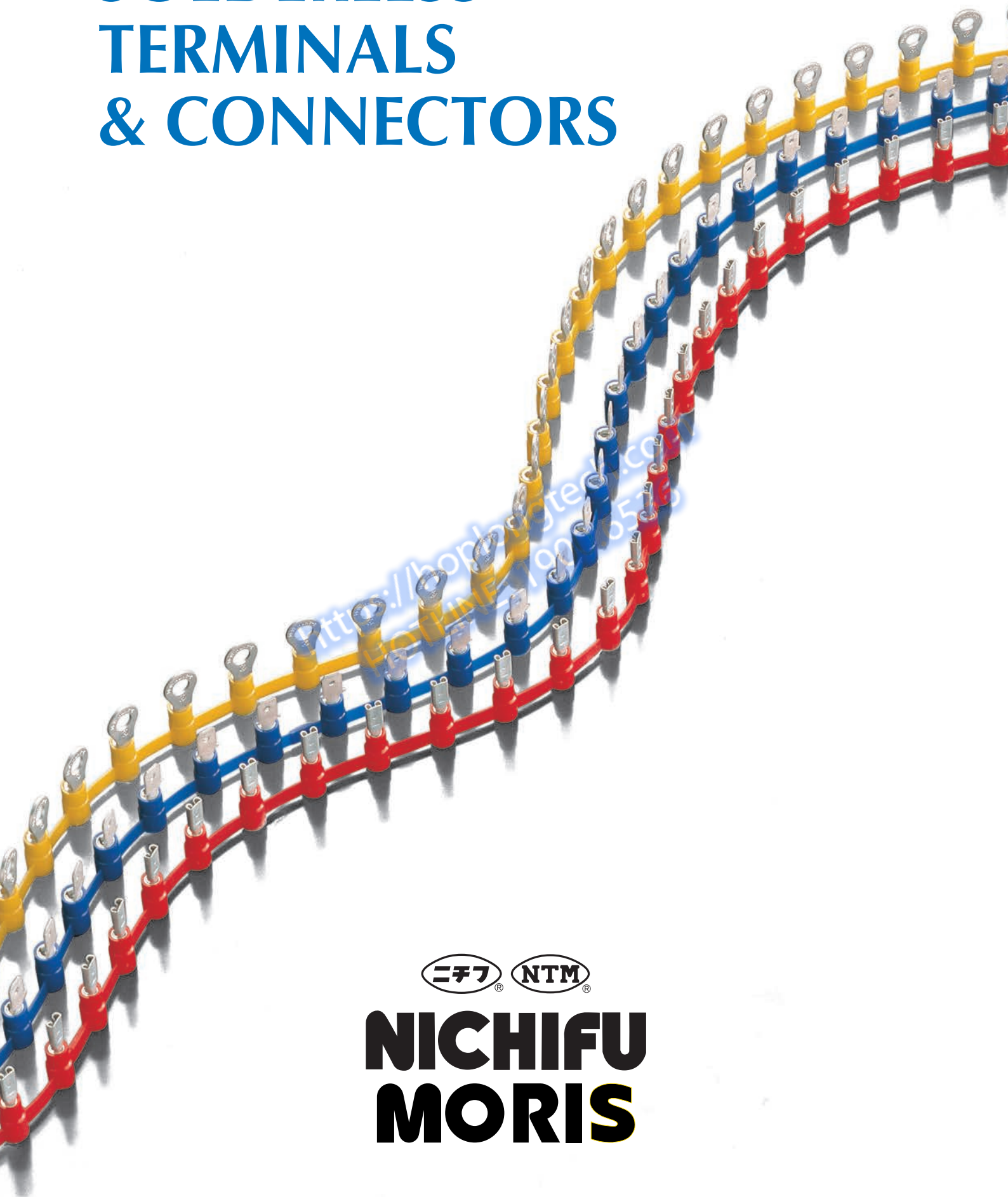


SOLDERLESS TERMINALS & CONNECTORS



**NICHIFU
MORIS**



We are always seeking to improve our quality and develop new products.

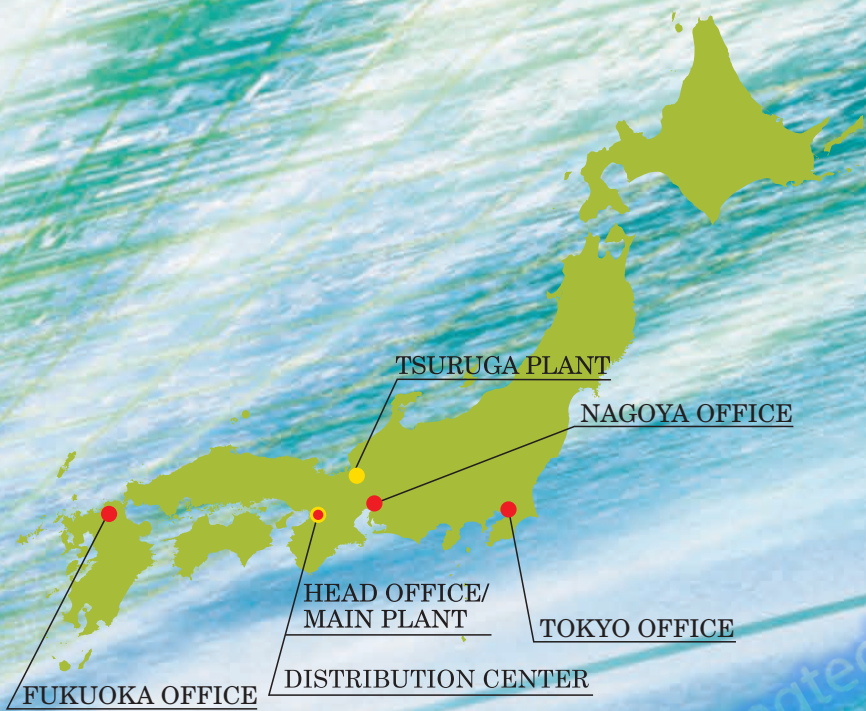
NICHIFU has been a first-class, quality manufacturer of solderless terminals and sleeves for over 60 years.

Since 1951, as a solderless terminal/sleeve manufacturer, NICHIFU has sought to produce safe products which connect and provide electricity for the people of the world. Currently, the application of our products are expanding into new sectors of the world market, such as energy and home appliances.

All of our quality products undergo close inspection under the standards of our quality control. Also, our mass-production system has enabled us to quickly supply our customers low-priced products. Of course, our production is also flexible, allowing us to produce custom-made products upon request.

We constantly strive to improve quality, lower production cost, and expand the use of automatic tooling.

<https://hoplongtech.com>
HOTLINE: 1900.6536



- MANUFACTURING PLANT
- SALES/DISTRIBUTION DEPO

WORLD NETWORK
 NICHIFU AMERICA, INC.
 NICHIFU SINGAPORE PTE. LTD.
 NICHIFU EUROPE B.V.



HEAD OFFICE /
 MAIN PLANT
 OSAKA, JAPAN



TSURUGA
 PLANT
 (Sleeves)



RoHS

RoHS compliant products

We mark **RoHS** or **RoHS** for RoHS compliant products.

Products marked



RoHS compliant products

Products marked



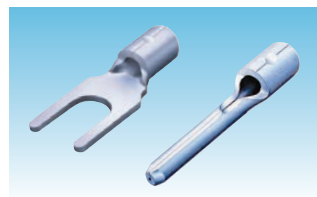
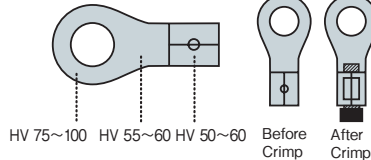
Current production items are RoHS compliant.
Products manufactured before the effective date may still be on the market.
Inquire us with the part numbers and lot numbers, if RoHS compliant products needed.

HSterminal High Solid

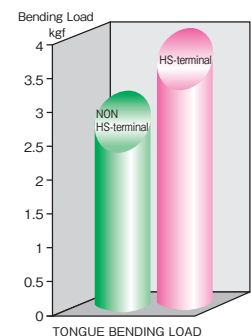
With a harder terminal tongue, fewer bending problems during installation, transportation and application

Nichifu's advanced technology has enabled the production with hardened tongue keeping softness of the barrel area unchanged. Our HS-terminals offer a tongue hardness of HV75-100 compared with the HV55 of non-HS terminals. 40% improvement in hardness that eliminates accidental bending. Thus, corrective straightening is not required, making installation quick and easy. With no change to the hardness of the barrel, the HS-terminal has the same crimping performance as non-HS terminals. Another distinguished feature of the HS is the notch at the center of brazed seam which designates the proper crimping position.

HARDNESS



Also available in spade and pin styles.



Harder tongue keeps the tongue area straight and flat when compared to non HS-terminals.

Notch located at center of brazed seam, to target crimping position.

Annealed barrel, keeps softness for easier crimp.

INDOOR ELECTRICAL WIRING



PLUG JOINT CONNECTOR

► P.80

One touch and quick joint of indoor electrical wires. Branch wiring also available.



JOINT COVER

► P.116

Protect wire joint area. Soft vinyl translucent cover makes instant visual inspection. Snap onto the suspension bolt.



INSULATION CAP (OPEN END CONNECTOR)

► P.116

Protect the area of crimped connectors. Translucent and environmentally conscious materials. Easy and smooth fitting.



ROMEX CABLE SUPPORTER

► P.116

Prevent temperature rise of wires and also deterioration of wire insulation. Easy fit on the suspension bolt.



QUICK LOCK CONNECTOR

► P.79

Designed to grip wire at two (2) places to prevent slipping off. ●QLX for solid copper wire. Translucent housing enables visual inspection of inserted wires.

●QL MC for 0.9~1.2mm diameter solid copper wire.

●QL SQ is a high temperature connector mainly for fire-detectors.



CENTER PIN TERMINAL

► P.27

The Pin stuck out center of terminal barrel to fit smoothly in narrower terminal block. Insulation cap (UL94V-0) for each Pin terminal are available.

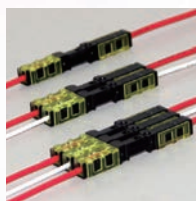


EXTRA LONG BUTT

► P.23

Less distortion on Butt when crimped one side. Easy and smooth installation.

APPLIANCE ELECTRICAL WIRING



WIRE TO WIRE IDC NDC2420 ▶ P.82

Simply structured for single connection. No need of stripping wires or the use of special tools. Multi pole connection is possible.



ENVIRONMENTAL FRIENDLY TERMINAL (INSULATED) ▶ P.46

No toxic material in the insulation. Environmentally conscious terminal.



HIGH TEMPERATURE TERMINAL ▶ P.32

Solid nickel, allows wire connection under circumstance at temperature max. 400°C.



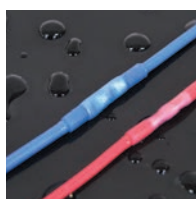
HIGH TEMP CLOSED END CONNECTOR (SQCE) ▶ P.55

For multiple wire connections to or from Fire Detector. Durable for 15 minutes at max. 380°C.



WATER TIGHT CONNECTOR ▶ P.65

No heat shrink tube needed. Silicon-bushing inside connector shut off water. Water-Proof Safety Code IP157 proven.



HEAT SHRINK BUTT CONNECTOR ▶ P.66

It has the heat shrink tube over the butt connector. Use a heat gun, the glue inside the tube will melt, then an air tight water/dust proof connection.



INSULATED CENTER PIN TERMINAL ▶ P.43

Makes stranded wire to single to be fittable to push-on terminal block or switch. Wider entry type for two wires also available.



FULLY INSULATED DISCONNECT ▶ P.62

Nylon housing covers the disconnect for fully insulation.

POWER LINE CONNECTION



COMPRESSION TERMINAL

► P.71

Available for wire upto 1600mm².



CLAMP CONNECTOR

► P.68

Cable connection with branch. Various wire combination are available upto total wire size of 700sq. mm. Specially designed insulation available for individual size.

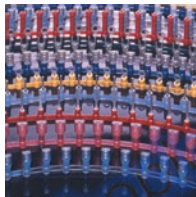


SHUNT WIRE

► P.75

Size of braiding area and number and size of bolt hole on terminal area of both ends are varied depend on users needs.

ICT & CRIMPER



ICT INSULATED CHAIN TERMINAL

► P.85

Invented by Nichifu. Chain-like linked loose terminals reduce time and labor, and ensure quality crimps.



CRIMPING EQUIPMENT FOR ICT TERMINAL

► P.89

Choose either pneumatic (NCA) or electric (NCM). Easy to use and mounted one-touch change of applicator for various terminal type and size automatically feeds terminal one by one with standardized crimping position.



HANDY ACE (PORTABLE CRIMPING TOOL)

► P.87

Handheld type electric crimping tool for ICT series terminals. Easy operation, just pull trigger to feed next terminals automatically to the dies.

CRIMPING TOOL



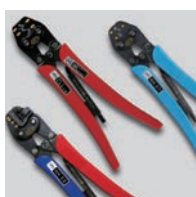
DESK-TOP PNEUMATIC CRIMPING EQUIPMENT

► P.125

Piston motion crimping dies make terminal not to rotate in the dies.

NA10 (0.3mm²~5.5mm²)

NA20 (8mm²~60mm²)



HAND RATCHET CRIMPING TOOL

► P.121

Various type or size tools are available. Convenient short handles type is available.

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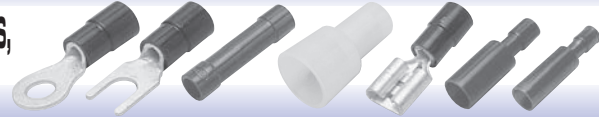
A

Non-Insulated Terminals and Sleeves



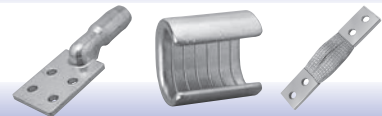
B

Insulated Terminals, Sleeves, Closed-End Connectors, Quick-Disconnects and Water-Proof Connectors



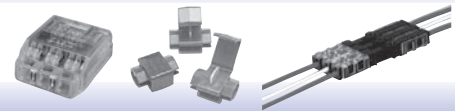
C

Compression Terminals, Clamp Connectors, Shunt Wires and Copper-Tube Terminals



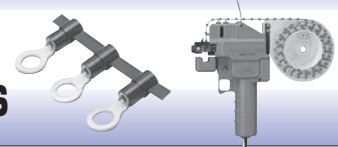
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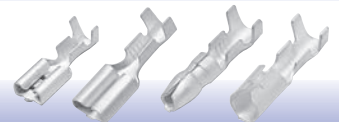
E

ICT Insulated Chain Terminals and Various Crimping Equipments



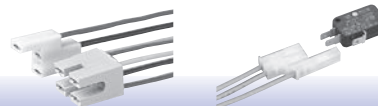
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Stripped Chain terminals



G

Connectors



H

Cable Accessories and Relative Tools and Equipments



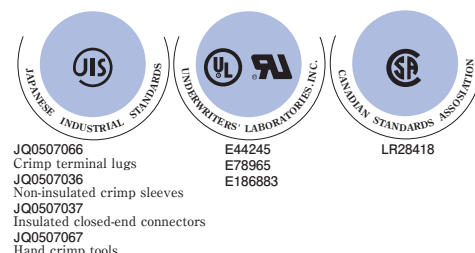
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We manufacture products according to Japanese Industrial Standards. The products are also listed by UL/CSA. As a proof of approval, we put them on products or container. We strongly believe you choose ours as a sure and safe products.



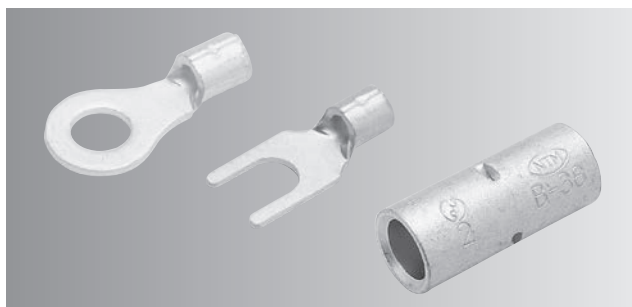
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NON-INSULATED TERMINALS & SLEEVES

A



SPECIFICATIONS

- **MATERIAL** : Oxygen free copper strip/tube. (electro-tin-plating)
- **RATED CURRENT** : Please see amperage rating table for insulated wires. (Page 128)

STANDARDS

- Japanese Industrial Standards, JIS C2805 and JIS C2806.
- UL 486A (File No. E44245)
- CSA C22.2 (File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over-heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.

(NOTE)

APPLICABLE WIRE

- Wire range and performance ratings comply with JIS standard wire (IV, KIV, VSF).
- Call us when you use solid wire for the 14 mm² or above terminals.

UL / CSA

To have UL/CSA listed or certified, use proper Nichifu crimp tool.
To find correct tool, see our tool selection, page 126.

WIRE STRIP LENGTH

A strip length should be approx. 2mm longer than barrel length.
(conductor should come out 1mm for both ends)

STRUCTURE OF OUR PART NUMBER

R 1.25 - 3

Shape of tongue	Nominal size	Stud size(mm)
R : RING	1.25 → 1.25mm ²	
RD : RING,DOUBLE STUD	2 → 2mm ²	
CB : SQUARE RING	3.5 → 3.5mm ² etc	
FT : FLAG RING		

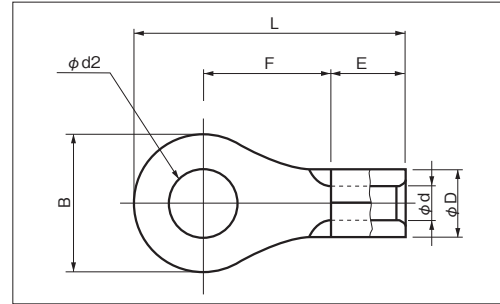
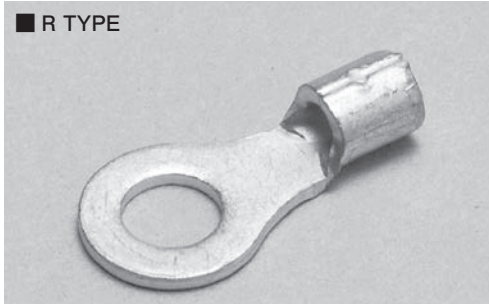
1.25 Y - 3

Nominal size	Shape of tongue	Stud size(mm)
1.25 → 1.25mm ²	Y : SPADE	
2 → 2mm ²	LY : LOCKING SPADE	
3.5 → 3.5mm ² etc		

RING TERMINALS (R TYPE)

JIS C 2805

■ R TYPE



A



PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX							
	φd2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.									
											TOOL BODY No.	DIES No.								
R 0.3-2	2.2	5.2	12.0	4.9	4.5	2.2	1.0	—	0.2~0.5	24-20	NH 60		1,000 (100×10)							
R 0.3-3	3.2		12.0	4.9																
R 0.3-3N	3.2		14.3	7.2																
R 0.3-3.5	3.7	6.6	15.0	7.2																
R 0.3-4	4.3																			
R 0.3-5	5.3	8.0	15.5	7.0							NA 10 NA 3	N10 04 N3 70								
R 0.75-3	3.2	5.6	12.0	4.7	4.5	2.5	1.4	—	0.3~0.75	22-18	NH 69		1,000 (100×10)							
R 0.75-3.5	3.7										NA 10 NA 3	N10 05 N3 69								
R 1.25-2	2.2	5.5	12.0	4.75	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61		1,000 (100×10)							
R 1.25-2S		5.7	11.9	4.55																
R 1.25-3	3.2	5.5	12.0	4.75																
R 1.25-3N		5.6	14.9	7.6																
R 1.25-3S	3.7	5.7	11.9	4.55																
R 1.25-3.5N		5.6	14.9	7.6																
R 1.25-3.5S		5.7	11.9	4.55																
R 1.25-3.5		6.6	13.3	5.5																
R 1.25-3.5M		6.8	13.9	6.0																
R 1.25-3.5L		8.0	15.6	7.1																
R 1.25-4S	4.3	6.6	13.3	5.5																
R 1.25-4M		6.8	13.9	6.0																
R 1.25-4	5.3	8.0	15.6	7.1																
R 1.25-5																				
R 1.25-6	6.4	12.0	20.2	9.7							NA 10 NA 3	N10 01 N3 7								
R 1.25-8	8.4																			
R 1.25-10	10.5	16.5	25.0	12.25																
R 2-2	2.2	6.5	12.7	4.95	4.5	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 NH 9 NH 61		1,000 (100×10)							
R 2-3N	3.2	5.6	14.9	7.6																
R 2-3S		5.7	12.3	4.95																
R 2-3		6.5	12.7	4.95																
R 2-3.5N	3.7	5.6	14.9	7.6																
R 2-3.5NS		6.5	12.7	4.95																
R 2-3.5		6.6	14.4	6.6																
R 2-3.5S		6.6	15.4	7.6																
R 2-3.5M		8.0	16.0	7.5																
R 2-4S	4.3	6.6	14.4	6.6																
R 2-4M		8.0	16.0	7.5																
R 2-4	5.3	8.5	16.5	7.75																
R 2-5M		8.0	16.0	7.5																
R 2-5		9.5	17.0	7.75																
R 2-5L	6.4	12.0	21.5	11.0																
R 2-6		12.0	21.5	11.0																
R 2-8	8.4																			
R 2-10	10.5	15.0	24.5	12.5														NA 10 NA 3	N10 02 N3 7	
R 2-12	13.0	19.0	28.5	14.5																

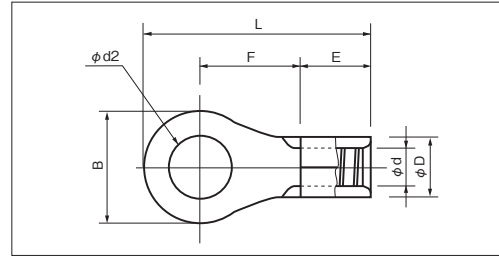
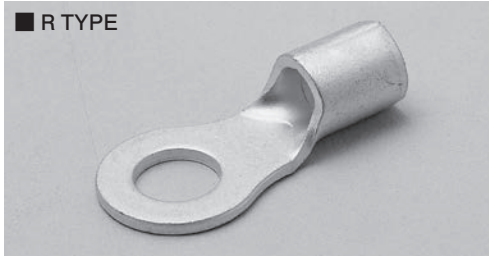
NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA
- 2) Refer to page 12 for UL/ CSA and proper strip length of wire.

RING TERMINALS (R TYPE)

JIS C 2805

■ R TYPE



PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX			
	φd2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.					
											TOOL BODY No.	DIES No.				
R 3.5-4 ○	4.3	8.0	18.0	8.0	6.0	5.1	3.0	1.82 2.4	2.63 4.6	12	NH 1 NH 9		1,000 (100×10)			
R 3.5-5N ※ ○	5.3													9.6	20.0	9.2
R 3.5-5S ○																
R 3.5-5L ○	6.4	12.0	21.4	9.4												
R 3.5-6 ○																
R 3.5-6L ○																
R 3.5-8 ○	8.4	13.5	25.5	12.75							NA 10 NA 3	N10 03 N3 7				
R 5.5-3M ○	3.2	6.5	16.95	7.2	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9		1,000 (100×10)			
R 5.5-3N ○		7.0	17.2													
R 5.5-3S ○		9.0	18.2													
R 5.5-3.5N ○	3.7	7.0	17.2													
R 5.5-3.5S ○		9.0	18.2													
R 5.5-3.5 ○	4.3	9.5	19.5	8.25												
R 5.5-4N ○		7.0	17.2	7.2												
R 5.5-4S ○		9.0	18.2													
R 5.5-4 ●	5.3	9.5	19.5	8.25												
R 5.5-5N ○		8.0	17.7	7.2												
R 5.5-5S ○		9.0	18.2													
R 5.5-5 ●	6.4	9.5	19.5	8.25												
R 5.5-6S ※		9.0	23.0	12.0												
R 5.5-6 ●		12.0	23.0	10.5												
R 5.5-8 ●	8.4	15.0	28.0	14.0												
R 5.5-10 ●	10.5	19.2	32.5	16.4										NA 10 NA 3	N10 03 N3 7	500 (50×10)
R 5.5-12 ○	13.0															
R 5.5-14 ○	15.0															
R 8-4S ○	4.3	8.0	21.5	9.1	8.4	7.1	4.5	2.89 3.65	6.64 10.52	8	NH 1 NH 9 NOP 60 NOM 60		1,000 (100×10)			
R 8-4 ○		12.0	23.5	9.1												
R 8-5S ○	5.3	10.0	22.5	9.1												
R 8-5 ●		12.0	23.5													
R 8-6S ○	6.4	10.0	22.5													
R 8-6 ●		12.0	23.5													
R 8-8 ●	8.4	15.0	29.5	13.6									100			
R 8-10 ●	10.5	20.0	33.5	15.1									500 (50×10)			
R 8-12 ○	13.0															
R 8-14 ○	15.0															
R 14-5S ○	5.3	10.0	26.5	11.5	10.0	9.0	5.8	—	10.52 16.78	6	NH 9 NOP 60 NOM 60 NOP 150HA NOM 150		100			
R 14-5 ●		12.0	27.5													
R 14-6S ○	6.4	10.0	26.5													
R 14-6 ●		12.0	27.5													
R 14-6L ○	8.4	16.0	32.5	14.5												
R 14-8S ○		12.0	27.5	11.5												
R 14-8 ●		16.0	32.5	14.5												
R 14-10 ●	10.5	16.0	32.5	14.5										50		
R 14-12 ●	13.0	22.0	40.0	19.0												
R 14-14 ●	15.0	30.0	48.5	23.5												
R 14-16 ○	17.0															
R 14-20 ○	21.0	30.0	48.5	23.5									NA 20	N20 14		

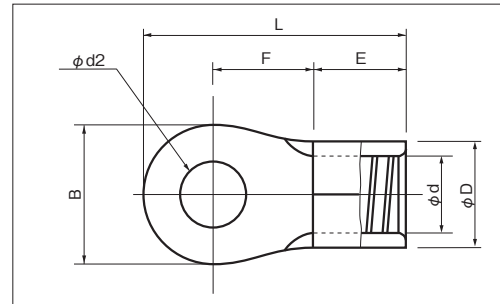
NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA 2) Refer to page 12 for UL/CSA and proper strip length of wire.
- 3) ※Specification is partly different from other ring terminals.

RING TERMINALS (R TYPE)

JIS C 2805

■ R TYPE



A



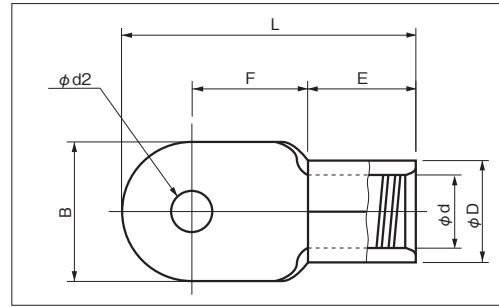
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX	
	φ d2	B	L	F	E	φ D	φ d	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.			
											TOOL BODY No.	HEAD No.		
R 22-5S ※ ○	5.3	11.8	31.4	13.5	12.0	11.6	7.7	—	16.78 26.66	4	NOP 60 NOM 60 NOP 150HA NOM 150		100	
R 22-5 ○		16.5	33.3	13.05										
R 22-6S ※ ○	6.4	11.8	31.4	13.5										
R 22-6 ●		16.5	33.3	13.05										
R 22-8S ※ ○	8.4	11.8	31.4	13.5										
R 22-8 ●		16.5	33.3	13.05										
R 22-10 ●	10.5	17.5	36.3	15.55										
R 22-12 ●	13.0	22.0	42.3	19.3										
R 22-14 ●	15.0	30.0	51.3	24.3							50			
R 22-16 ○	17.0													
R 22-20 ○	21.0											NA 20	N20 22	
R 38-5 ○	5.3	22.0	42.3	18.3	13.0	13.4	9.4	—	26.66 42.42	2	NOP 60 NOM 60 NOP 150HA NOM 150		100	
R 38-6S ※ ○	6.4	15.3	39.0	18.35										
R 38-6 ○		22.0	42.3	18.3										
R 38-8S ※ ○	8.4	15.3	39.0	18.35										
R 38-8 ●		22.0	42.3	18.3										
R 38-10S ※ ○	10.5	15.3	39.0	18.35										
R 38-10 ●		22.0	42.3	18.3										
R 38-12 ●	13.0	30.0	52.3	24.3										50
R 38-14 ●	15.0													
R 38-16 ○	17.0													
R 38-20 ○	21.0										NA 20	N20 38		
R 60-6S ※	6.4	16.0	46.5	20.0	18.5	15.6	11.4	—	42.42 60.57	1/0	NOP 60 NOM 60 NOP 150HA NOM 150		100	
R 60-6 ○	6.4	22.0	48.5	19.0										
R 60-8S ※	8.4	16.0	46.5	20.0										
R 60-8 ●	8.4	22.0	48.5	19.0										
R 60-10S ※	10.5	16.0	46.5	20.0										
R 60-10 ●	10.5	22.0	48.5	19.0										
R 60-12 ●	13.0	32.0	57.3	22.8										25
R 60-14 ●	15.0													
R 60-16 ○	17.0													
R 60-20 ○	21.0													
R 60-22 ○	23.0													
R 70-8 ○	8.4	24.0	51.0	20.0	19.0	17.6	13.5	—	60.57 76.28	2/0	NOP 150HA NOM 150		25	
R 70-10 ○	10.5													
R 70-12 ○	13.0	32.0	62.5	27.5										25
R 70-14 ○	15.0													
R 70-16 ○	17.0	32.0	62.5	27.5							25			
R 70-20 ○	21.0													
R 70-22 ○	23.0													
R 80-8 ○	8.4	27.0	52.5	20.0	19.0	19.6	14.5	—	76.28 96.3	3/0	NOP 150HA NOM 150		50	
R 80-10 ○	10.5													
R 80-12 ○	13.0	32.0	62.5	27.5										20
R 80-14 ○	15.0													
R 80-16 ○	17.0	32.0	62.5	27.5							20			
R 80-20 ○	21.0													
R 80-22 ○	23.0													

※Current is rated lower than other terminals of the same wire size.(Refer to page 128)

RING TERMINALS (R TYPE)

JIS C 2805

■ R TYPE



RoHS
See page 2

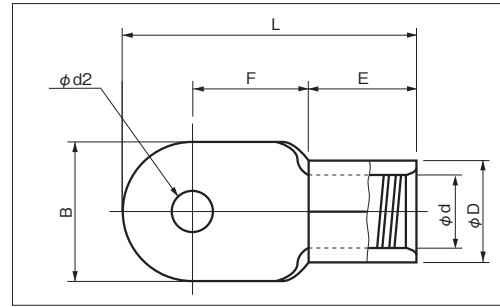
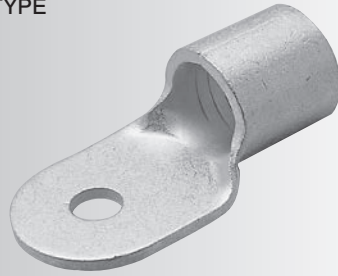
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX	
	ϕ d2	B	L	F	E	ϕ D	ϕ d	SOLID mm	STRANDED mm²	AWG MCM	HAND TOOL No.			
											TOOL BODY No.	HEAD No.		
R 100-8	8.4	28.5	53.5	20.25	19.0	22.5	16.4	—	96.3 117.2	4/0	NOP 150HA NOM 150		50	
R 100-10	10.5													
R 100-12	13.0													
R 100-12L	13.0	32.0	62.5	27.5	19.0	22.5	16.4	—	96.3 117.2	4/0	NOP 700 NOM 2500A NOM 3000		20	
R 100-14	15.0													
R 100-16	17.0													
R 100-18	19.0													
R 100-20	21.0													
R 100-22	23.0													
R 150-8	8.4	36.0	67.3	22.3	27.0	26.6	19.5	—	117.2 152.05	250 300 MCM	NOP 150HA NOM 150		20	
R 150-10	10.5													
R 150-12	13.0													
R 150-12L	13.0		83.3	38.3									10	
R 150-14	15.0													
R 150-16	17.0													
R 150-18	19.0													
R 150-20	21.0													
R 150-22	23.0													
R 150-27	28.0	42.0	35.3	NOP 700 NOM 2500A NOM 3000										
R 180-10	10.5	38.5	77.0	28.05	29.7	28.5	20.2	—	152.05 192.6	300 350 MCM	NOP 700 NOM 2500A NOM 3000			10
R 180-12	13.0													
R 180-14	15.0													
R 180-16	17.0		87.0	38.05									20	
R 180-18	19.0													
R 180-20	21.0													
R 180-22	23.0													
R 200-10N	10.5	44.0	73.2	24.5	33.2	32.9	24.0	—	192.6 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000			10
R 200-10S			80.0	24.8										
R 200-12N	13.0		73.2	24.5										
R 200-12S			80.0	24.8										
R 200-12	13.0		91.0	35.8									5	
R 200-14	15.0													
R 200-16	17.0													
R 200-18	19.0													
R 200-20	21.0													
R 200-22	23.0													
R 200-24	25.0	44.0	91.0	35.8	33.2	35.6	26.5	—	250	—	REC-Li250M		10	
R 200-27	28.0													
R 250-12	13.0													
R 250-14	15.0	44.0	91.0	35.8	33.2	35.6	26.5	—	250	—	REC-Li250M		10	
R 250-16	17.0													

NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA
2) Refer to page 12 for UL/CSA and proper strip length of wire.

RING TERMINALS (R TYPE)

JIS C 2805

■ R TYPE



RoHS

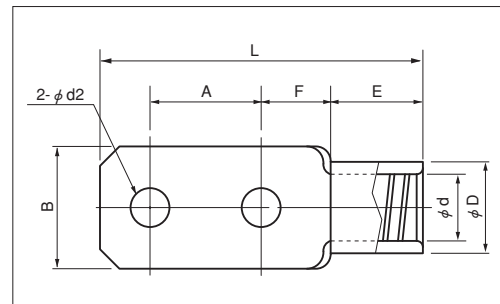
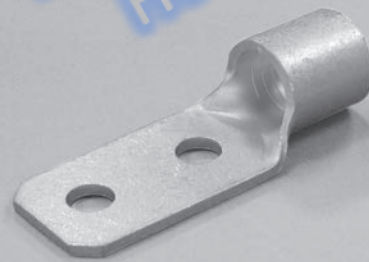
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	ϕd2	B	L	F	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG MCM	HAND TOOL No.		
											TOOL BODY No.	HEAD No.	
R 325-10N ○	10.5	49.0	88.5	33.0	36.5	37.8	28.0	—	242.27 325	500 600 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
R 325-10S ○		50.5	95.0	33.25									
R 325-12N ○		49.0	88.5	33.0									
R 325-12S ○	13.0	50.5	95.0	33.25									
R 325-14S ○	15.0												
R 325-16 ●	17.0												
R 325-18 ●	19.0	105.0	43.25										
R 325-20 ●	21.0												
R 325-22 ●	23.0												
R 325-24 ●	25.0												
R 325-27 ●	28.0												

NOTE 1) ● : JIS, UL, CSA ○ : UL, CSA

2) Refer to page 12 for UL/CSA and proper strip length of wire.

SQUARE RING TERMINALS (2 HOLES)



RoHS

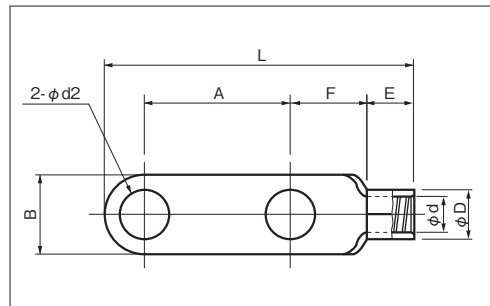
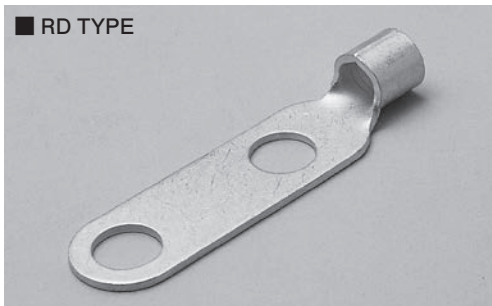
See page 2

PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
									SOLID mm	STRANDED mm²	AWG	HAND TOOL No.		
	TOOL BODY No.	HEAD No.												
200-D-12	14	44	116.2	40	25.0	33.2	32.7	24	—	192.6 ∩ 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000	NOH 300K	10
325-D-12	14	50	124.0	40	29.5	36.5	37.6	28		242.27 ∩ 325	500 ∩ 600 MCM			5

RING TERMINALS (RD TYPE)

JIS C 2805

■ RD TYPE



RoHS

See page 2

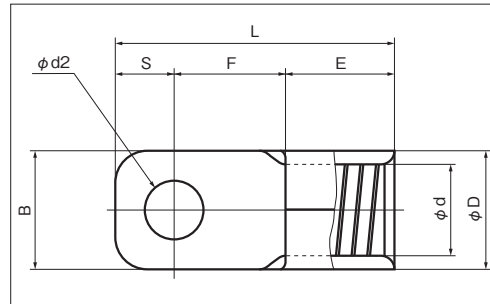
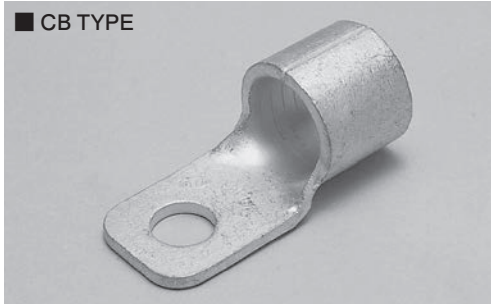
PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
	φd2	B	L	A	F	E	φD	φd	SOLID mm	STRANDED mm²	AWG MCM	HAND TOOL No.		
												TOOL BODY No.	HEAD No.	
RD 38-10	11.0	22.0	77.3	32.0	21.3	13.0	13.4	9.4	—	26.66 } 42.42	2	NOP 60 NOM 60 NOP 150HA NOM 150		50
RD 38-12	13.0		85.3	40.0								NA 20	N20 38	
RD 38-w/o HOLE	—		—	—										
RD 60-10	11.0	22.0	81.0	32.0	19.5	18.5	15.6	11.4	—	42.42 } 60.57	1/0	NOP 60, NOM 60 NOP 150HA, NOM 150 NA 20 N20 60		50
RD 60-12	14.0		89.0	40.0								NOP 700 NOM 2500A NOM 3000	NOH 300K	
RD 60-14	16.0		97.0	22.5										
RD 60-w/o HOLE	—	32.0	—	—										
RD 70-10	11.0	24.0	91.0	32.0	28.0	19.0	17.6	13.5	—	60.57 } 76.28	2/0	NOP 150HA NOM 150 NOP 700 NOM 2500A NOM 3000		50
RD 70-12	14.0			40.0								NOH 300K		
RD 70-w/o HOLE	—			—								—		
RD 80-10	11.0	27.0	86.0	32.0	21.5	19.0	19.6	14.5	—	76.28 } 96.3	3/0	NOP 150HA NOM 150 NOP 700 NOM 2500A NOM 3000		20
RD 80-12	14.0		94.0	40.0								NOH 300K		
RD 80-14	16.0		99.0	24.0										
RD 80-w/o HOLE	—	32.0	—	—										
RD 100-10	11.0	28.5	87.0	32.0	21.75	19.0	22.5	16.4	—	96.3 } 117.2	4/0	NOP 150HA NOM 150 NOP 700 NOM 2500A NOM 3000		20
RD 100-12	14.0		95.0	40.0								NOH 300K		
RD 100-14	16.0		99.0	24.0										
RD 100-w/o HOLE	—	32.0	—	—										
RD 150-12	14.0	36.0	106.0	40.0	21.0	27.0	26.6	19.5	—	117.2 } 152.05	250- 300 MCM	NOP 150HA NOM 150 NOP 700 NOM 2500A NOM 3000		20
RD 150-14	16.0			—	—									
RD 150-w/o HOLE	—			—	—									
RD 180-12	14.0	38.5	111.0	40.0	22.05	29.9	28.5	20.2	—	152.05 } 192.6	300- 350 MCM	NOP 700 NOM 2500A NOM 3000		10
RD 180-14	16.0			—	—									
RD 180-w/o HOLE	—			—	—									
RD 200-12	14.0	44.0	117.0	40.0	21.8	33.2	32.9	24.0	—	192.6 } 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000		10
RD 200-14	16.0			—	—									
RD 200-w/o HOLE	—			—	—									
RD 250-12	14.0	44.0	117.0	40.0	21.8	33.2	35.6	26.5	—	250	—	REC-Li250M		5
RD 250-14	16.0			—	—									
RD 250-w/o HOLE	—			—	—									
RD 325-12	14.0	50.5	124.0	40.0	22.25	36.5	37.8	28.0	—	242.27 } 325	500- 600 MCM	NOP 700 NOM 2500A NOM 3000		5
RD 325-14	16.0			—	—									
RD 325-w/o HOLE	—			—	—									

NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA
- 2) Refer to page 12 for UL/ CSA and proper strip length of wire.

SQUARE RING TERMINALS (CB TYPE)

■ CB TYPE



RoHS
See page 2

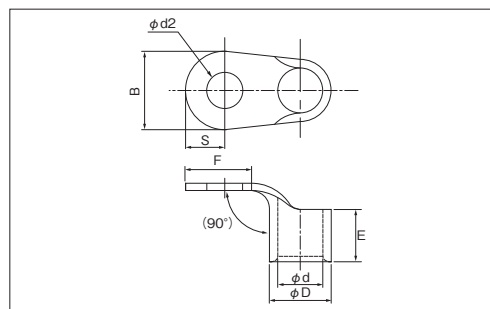
PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX	
	φd2	B	L	S	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM	HAND TOOL No.			
												TOOL BODY No.	HEAD No.		
CB 22-5S ○	5.3	12.5	31.0	5.5	13.5	12.0	11.6	7.7	—	16.78 26.66	4	NOP 60 NOM 60 NOP 150HA NOM 150		100	
CB 22-6S ○	6.4			6.4	12.6							NA 20			N20 22
CB 22-8S ○	8.2														
CB 38-5S ○	5.3	13.5	36.8	7.5	16.35	13.0	13.4	9.4	—	26.66 42.42	2	NOP 60 NOM 60 NOP 150HA NOM 150		100	
CB 38-6N ○	6.4	12.5	34.8	5.5								NA 20			N20 38
CB 38-6S ○		13.5	36.8	7.5											
CB 60-6N	6.4	16.0	46.5	8.0	20.0	18.5	15.6	11.4	—	42.42 60.57	1/0	NOP 60 NOM 60 NOP 150HA NOM 150		100	
CB 60-6S ○			49.5	11.0								NA 20			N20 60
CB 60-8 ▲ ○			8.4	46.5								8.0	NOP 700 NOM 2500A NOM 3000		NOH 300K
CB 60-8S ○	8.4	16.0	49.5	11.0	20.0	18.5	15.6	11.4	—	42.42 60.57	1/0	NOP 700 NOM 2500A NOM 3000		100	
CB 60-10S ○			10.5												
CB 80-8 ▲	8.4	22.0	50.0	11.0	20.0	19.0	19.6	14.5	—	76.28 96.3	3/0	NOP 150HA NOM 150		50	
CB 80-8S			49.0	10.0								NOP 700 NOM 2500A NOM 3000			NOH 300K
CB 80-10 ▲			10.5	50.0								11.0			
CB 80-10S	10.5	49.0	10.0												
CB 80-12S	13.0														
CB 100-8 ▲	8.4	22.0	52.0	11.0	22.0	19.0	22.5	16.4	—	96.3 117.2	4/0	NOP 150HA NOM 150		50	
CB 100-8S			53.0	12.0								NOP 700 NOM 2500A NOM 3000			NOH 300K
CB 100-10 ▲			10.5	52.0								11.0			
CB 100-10S	10.5		53.0	12.0											
CB 100-12S	13.0														
CB 150-8 ▲	8.4	22.0	60.3	11.0	22.3	27.0	26.6	19.5	—	117.2 152.05	250~ 300 MCM	NOP 150HA NOM 150		20	
CB 150-8S			61.3	12.0								NOP 700 NOM 2500A NOM 3000			NOH 300K
CB 150-10S			10.5	25.0								61.8	12.5		
CB 150-10 ▲	10.5	25.0	61.8	12.5											
CB 150-12S	13.0	22.0	61.3	12.0											
CB 200-10S	10.5	36.0	72.0	19.0	22.3	30.7	32.9	24.0	—	192.6 242.27	400 MCM	NOP 700 NOM 2500A NOM 3000		10	
CB 200-12S	13.0														

NOTE

- : UL, CSA ▲ : JEMA standards (Japan Electrical Manufacturers' Association)
- Refer to page 12 for UL/CSA and proper strip length of wire.

RING TERMINALS (90 DEGREES BEND TERMINALS)

A

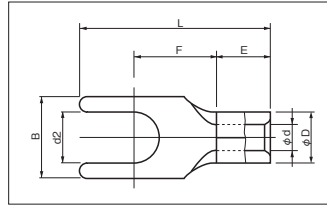
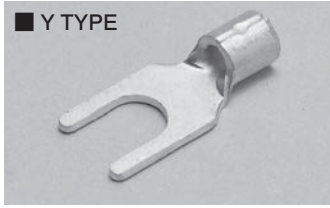


PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	ϕ d2	B	S	F(MIN)	E	ϕ D	ϕ d	SOLID mm	STRANDED mm²	AWG MCM	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
R 60-8-90B	8.4	22.0	11.0	22.0	18.5	15.6	11.4	—	42.42 ∩ 60.57	1/0	NOP 60 , NOM 60 NOP 150HA , NOM150		100
R 60-10-90B	10.5										NOP 700 NOM 2500A NOM 3000		
R 60-12-90B	13.0										NOP 700 NOM 2500A NOM 3000		
R 80-10-90B	10.5	27.0	13.5	23.0	19.0	19.6	14.5	—	76.28 ∩ 96.3	3/0	NOP 150HA , NOM 150 NOP 700 NOM 2500A NOM 3000		50
R 80-12-90B	13.0										NOP 150HA , NOM 150 NOP 700 NOM 2500A NOM 3000		
R 100-10-90B	10.5	28.5	14.25	24.0	19.0	22.5	16.4	—	96.3 ∩ 117.2	4/0	NOP 150HA NOM 150		50
R 100-12-90B	13.0										NOP 150HA NOM 150		
R 150-10-90B	10.5	36.0	18.0	29.0	27.0	26.6	19.5	—	117.2 ∩ 152.05	250 ∩ 300 MCM	NOP 150HA NOM 150		20
R 150-12-90B	13.0			43.0							NOP 150HA NOM 150		
R 150-14-90B	15.0										NOP 150HA NOM 150		

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SPADE TERMINALS (Y TYPE)

Y TYPE

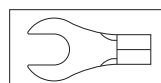


A

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX									
	d2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.											
											TOOL BODY No.	DIES No.										
0.3Y-2	2.2	5.2	12.0	4.9	4.5	2.2	1.0	—	0.2~0.5 0.3~0.5 UL・CSA USE	24-20 22-20 UL・CSA USE	NH 60 NA 10 NA 3 N10 04 N3 70		1,000 (100×10)									
0.3Y-3	3.2																					
0.3Y-3.5N	3.7	5.8																				
0.3Y-4N	4.3	6.4	6.6																			
0.3Y-5	5.3	8.0	15.5	7.0																		
0.75Y-3	3.2	5.6	14.5	5.8	4.5	2.5	1.4	—	0.3 ∩ 0.75	22-18	NH 69 NA 10 NA 3 N10 05 N3 69		1,000 (100×10)									
0.75Y-3.5	3.7	5.8																				
0.75Y-4	4.3	6.4	15.0	6.0																		
1.25Y-2.5	2.7	4.7	11.7	5.1	4.5	3.4	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	NH 1 NH 61 NA 10 NA 3 N10 01 N3 7		1,000 (100×10)									
1.25Y-3K	3.2	5.6	15.0	5.8																		
1.25Y-3S		5.7	11.9	4.8																		
1.25Y-3		5.8	15.0	5.8																		
1.25Y-3N			16.0	6.6																		
1.25Y-3.5K	3.7	5.6	15.0	5.8																		
1.25Y-3.5		5.8		6.8																		
1.25Y-3L		6.2	16.0	6.8																		
1.25Y-4N	4.3	6.4	16.4	6.6																		
1.25Y-4S		7.0		7.6																		
1.25Y-4M		8.1		7.5																		
1.25Y-4L		9.6	17.5	8.3																		
1.25Y-5	5.3	11.0	19.0	8.6										4.5	4.2	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	NH 1 NH 9 NH 61 NA 10 NA 3 N10 02 N3 7		1,000 (100×10)
1.25Y-6	6.4																					
2Y-3	3.2	5.9	15.8	6.6																		
2Y-3.5S	3.7	5.8		7.6																		
2Y-3.5		6.4		6.6																		
2Y-3.5L				7.0																		
2Y-4N	4.3	7.0	16.0	7.1																		
2Y-4S		8.0		8.7																		
2Y-4		10.0		7.1																		
2Y-4M		10.0	17.1	8.7																		
2Y-5	5.3	8.0	16.0	7.1																		
2Y-5M		10.0	17.1	8.7																		
2Y-5L		12.0	18.0	8.5																		
2Y-6	6.4	12.0	20.0	8.6																		
2Y-8	8.4	14.0	22.0	11.5																		
3.5Y-4	4.3	8.0	18.0	7.2	6.0	5.0	3.0	1.82 ∩ 2.4	2.63 ∩ 4.6	12	NH 1 NH 9 NA 10 NA 3 N10 03 N3 7		1,000 (100×10)									
3.5Y-5	5.3	9.5	20.0	8.3																		
3.5Y-6	6.4	12.0	22.0	9.8																		
5.5Y-3.5N	3.7	7.0	17.0	7.2	6.5	5.6	3.4	1.82 ∩ 2.89	2.63 ∩ 6.64	12-10	NH 1 NH 9 NA 10 NA 3 N10 03 N3 7		1,000 (100×10)									
5.5Y-4S	4.3	8.4	18.2																			
5.5Y-4		9.0																				
5.5Y-5	5.2	12.5	25.2											12.0								
5.5Y-6	6.4																					
8Y-5	5.3	12.0	24.0	8.6	8.4	7.1	4.5	2.89 ∩ 3.65	6.64 ∩ 10.52	8	NH 1,NH 9 NOP 60,NOM 60 NA 20 N20 08		100									
8Y-6	6.4																					
14Y-6	6.4	16.0	31.7	14.5	10.0	9.0	5.8	—	10.52 ∩ 16.78	6	NH 9,NOP 60 NOM 60,NOP 150HA NA 20 N20 14		100									
14Y-8	8.4		31.2																			

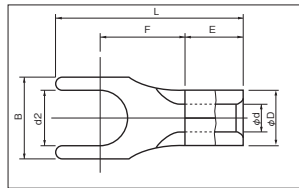
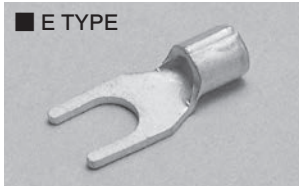
NOTE

- 1) ○ : UL, CSA
- 2) Refer to page 12 for UL/CSA and proper strip length of wire.
- 3) Tongue shape of 1.25Y-3S/14Y-6/14Y-8 is shown right.



SPADE TERMINALS (Y TYPE)

■ E TYPE

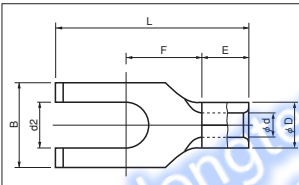


RoHS
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
								SOLID mm	STRANDED mm²	AWG	HAND TOOL No.		
	TOOL BODY No.	DIES No.											
1.25Y-3NE	3.2	5.8	14.0	6.6	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61		1,000 (100×10)
1.25Y-3LE	3.7	6.2		6.8				∩	∩				
1.25Y-4NE	4.3	6.4		14.5				6.6	1.44		1.65	NA 10 NA 3	
2Y-3E	3.2	5.9	14.0	6.6	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 NH 61		1,000 (100×10)
2Y-3.5E	3.7	6.4	14.5					∩	∩				
2Y-4NE	4.3							1.82	2.63		NA 10 NA 3	N10 02 N3 7	
8Y-5E	5.3	10.5	21.0	8.6	8.4	7.1	4.5	2.89	6.64	8	NH 1 NH 9		100
8Y-6E	6.4							3.65	10.52		NOP 60 NOM 60		

E type spade fits DIN type terminal block.

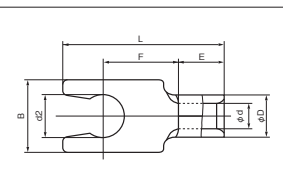
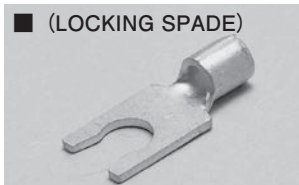
■ (FLANGED SPADE)



RoHS
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
1.25Y-3W ○	3.7	7.7	14.0	5.6	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61		1,000 (100×10)
1.25Y-4W ○	4.3							∩	∩				
1.25Y-5W ○	5.3							1.44	1.65		NA 10 NA 3	N10 01 N3 7	
2Y-3W ○	3.7	8.0	18.5	7.3	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 NH 9 NH 61		1,000 (100×10)
2Y-4W ○	4.3							∩	∩				
2Y-5W ○	5.3							1.82	2.63		NA 10 NA 3	N10 02 N3 7	

■ (LOCKING SPADE)



RoHS
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	d2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
1.25LY-3S ○	3.2	6.4	14.0	6.6	4.5	3.4	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	NH 1 NH 61		1,000 (100×10)
1.25LY-3.5S ○	3.7										NA 10 NA 3	N10 01 N3 7	
1.25LY-4S ○	4.3												
1.25LY-5S ○	5.3	8.4	17.0	8.5									
2LY-3S ○	3.2	6.4	14.0	6.6	4.5	4.2	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	NH 1 NH 9 NH 61		1,000 (100×10)
2LY-3.5S ○	3.7										NA 10 NA 3	N10 02 N3 7	
2LY-4S ○	4.3												
2LY-5S ○	5.3	8.4	17.0	8.5									
5.5LY-3.5S ○	3.7	7.9	18.2	7.6	6.5	5.6	3.4	1.82 ∩ 2.89	2.63 ∩ 6.64	12-10	NH 1 NH 9		1,000 (100×10)
5.5LY-4S ○	4.3										NA 10 NA 3	N10 03 N3 7	
5.5LY-5S ○	5.3												

NOTE

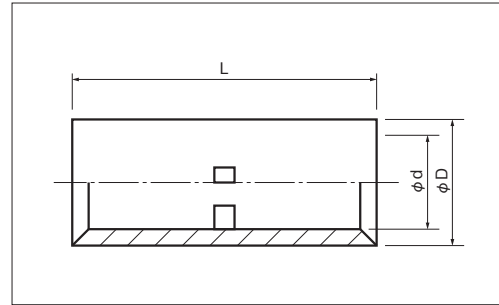
- : UL, CSA
- Refer to page 12 for UL/CSA and proper strip length of wire.

SLEEVES (B TYPE)

■ BUTT

JIS C 2806

■ BUTT CONNECTOR



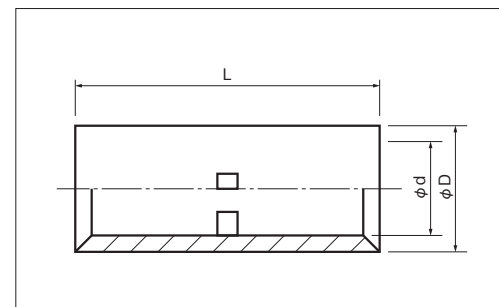
PART NUMBER		DIMENSIONS mm			WIRE RANGE			TOOL No.		STD QTY/BOX
		L	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM	HAND · HYDRAULIC	TOOL BODY No. DIES No.	
B 0.5	○	11.5	2.6	1.4	0.57~0.7	0.25~0.75	22-18		See page 126 For the die part number to use with NA10, NA20 or NA 3.	1000 (100×10)
B 1.25	●	15.0	3.3	1.8	0.57~1.44	0.25~1.65	22-16			
B 2	●		4.1	2.3	1.14~1.82	1.04~2.63	16-14			
B 5.5	●		5.4	3.5	1.82~2.89	2.63~6.64	12-10			
B 8	●	21.0	7.0	4.5	2.89~3.65	6.64~10.52	8			100
B 14	●	26.0	8.9	5.8	—	10.52~16.78	6			
B 22	●	29.0	11.3	7.7		16.78~26.66	4			
B 38	●	32.0	13.2	9.4		26.66~42.42	2			
B 60	●	36.0	15.3	11.4		42.42~60.57	1/0			50
B 70	○		17.5	13.3		60.57~76.28	2/0			
B 80	●	38.0	19.5	14.5		76.28~96.3	3/0			20
B 100	●		22.1	16.4		96.3~117.2	4/0			
B 150	●	54.0	26.4	19.5		117.2~152.05	250-300MCM			10
B 180	○	55.0	28.5	21.0		152.05~192.6	300-350MCM			
B 200	●	63.0	32.4	24.0		192.6~242.27	400MCM			5
B 325	●	72.0	37.0	28.0		242.27~325	500-600MCM			

NOTE

- 1) ● : JIS, UL, CSA ○ : UL, CSA
- 2) Refer to page 12 for UL/CSA and proper strip length of wire.

■ BUTT (EXTRA LONG)

■ BUTT CONNECTOR

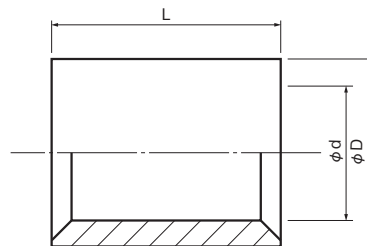


PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.	STD QTY/BOX
	L	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM		
B 100-72L	72.0	22.1	16.4	—	96.3~117.2	4/0	SAME AS STANDARD BUTT CONNECTOR TOOL.	20
B 150-72L		26.4	19.5		117.2~152.05	250-300MCM		15
B 200-72L		32.4	24.0		192.6~242.27	400MCM		10

SLEEVES (P TYPE)

A

■ PARALLEL CONNECTOR



RoHS

See page 2

PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.			STD QTY/BOX
	L	φD	φd	SOLID mm	STRANDED mm ²	AWG MCM	HAND · HYDRAULIC	TOOL BODY No.	DIES No.	
P 0.5 ○	8.0	2.6	1.4	0.57~0.7	0.25~0.75	22-18	NH 1 NH 60 NH 61	See page 126 For the die part number to use with NA10, NA20 or NA 3.		1,000 (100×10)
P 1.25 ○		3.3	1.8	0.57~1.44	0.25~1.65	22-16				
P 2 ●		4.1	2.3	1.14~1.82	1.04~2.63	16-14				
P 5.5 ●	8.5	5.4	3.5	1.82~2.89	2.63~6.64	12-10	NH 9 NOM 60, NOP 60	NOM 150, NOP 150HA NOH 300K		100
P 8 ●	9.5	7.0	4.5	2.89~3.65	6.64~10.52	8				
P 14 ●	11.0	8.9	5.8	3.65~4.62	10.52~16.78	6				
P 22 ●	13.5	11.3	7.7	4.62~5.81	16.78~26.66	4	NOM 60, NOP 60	NOM 150, NOP 150HA NOH 300K		50
P 38 ●	16.5	13.2	9.4	5.81~7.34	26.66~42.42	2				
P 60 ●	19.0	15.3	11.4	—	42.42~60.57	1/0				
P 70 ●		17.5	13.3		60.57~76.28	2/0				
P 80 ●	19.5	19.5	14.5		76.28~96.3	3/0				
P 100 ●	20.0	22.1	16.4		96.3~117.2	4/0				
P 150 ●	27.0	26.4	19.5		117.2~152.05	250-300MCM				
P 180 ●	28.5	28.5	21.0		152.05~192.6	300-350MCM				
P 200 ●	32.0	32.4	24.0		192.6~242.27	400MCM				
P 325 ●	37.0	37.0	28.0		242.27~325	500-600MCM				

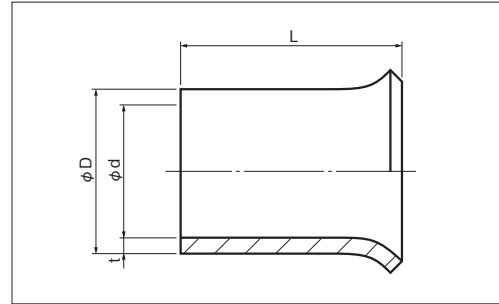
NOTE

- 1) ● : JIS, UL·CSA ○ : UL·CSA △ : UL
- 2) Refer to page 12 for UL/CSA and proper strip length of wire.

OPEN END CONNECTORS (E TYPE)

JIS C 2806

■ OPEN END CONNECTOR



PART NUMBER	DIMENSIONS mm				RATED CURRENT A	TOOL No.	STD QTY/BOX
	L	φD	φd	t		HAND TOOL No.	
E-S (小) ●	10.5	5.0	4.0	0.5	20	NHE 4	1,000 (100×10)
E-M (中) ●		6.9	5.3	0.8	30		
E-L (大) ●		7.7	6.1				

NOTE

- 1) ● : JIS (JAPANESE INDUSTRIAL STANDARDS)
- 2) Use only in an electrical joint box

EXAMPLE OF WIRE COMBINATIONS

PART NUMBER	OPEN END CONNECTORS				Die indication
	φ1.6 (mm)	φ2.0 (mm)	φ2.6 (mm)	In case of different wire size (mm)	
E-S (小)	2	—	—	1.6×1+0.75mm ² ×1 1.6×2+0.75mm ² ×1	1.6×2 小
	3~4	2	—	2.0×1+1.6×1~2	小
E-M (中)	5~6	3~4	2	2.0×1+1.6×3~5 2.6×1+1.6×1~3 2.0×2+1.6×1~3 2.6×1+2.0×1~2 2.0×3+1.6×1 2.6×2+1.6×1 2.6×1+2.0×1+1.6×1~2	中
E-L (大)	7	5	3	2.0×1+1.6×6 2.6×1+2.0×3 2.0×2+1.6×4 2.6×2+1.6×2 2.0×3+1.6×2 2.6×2+2.0×1 2.0×4+1.6×1 2.6×1+2.0×2+1.6×1	大

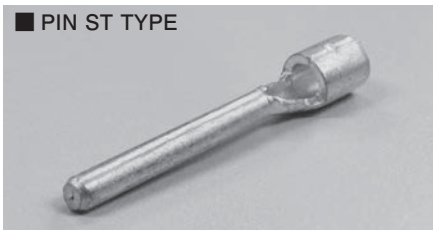
PIN TERMINALS (TC TYPE)

A

RoHS

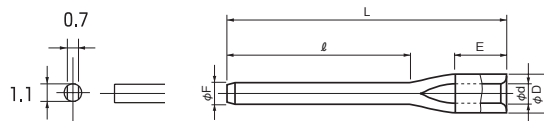
See page 2

■ PIN ST TYPE



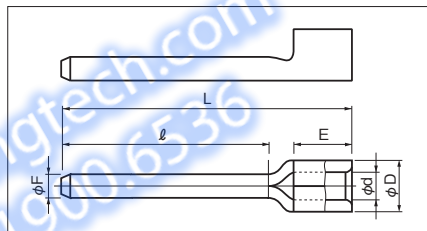
TC0.75

*Shape of pin..



PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		STD QTY/BOX
	φF	ℓ	L	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
TC 0.75-13.5K-ST	*	13.5	21.5	4.5	2.5	1.4	—	0.3 ∩ 0.75	22-18	NH 69 NA 10 NA 3	N10 05 N3 69	1,000 (100×10)
TC 1.25-11S-ST	1.5	11.0	19.5	4.5	3.4	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	NH 1 NH 61 NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 1.25-11V-ST	1.9	11.0	19.5									
TC 1.25-16V-ST	1.9	16.0	24.5	4.5	4.2	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	NH 1 NH 9 NH 61 NA 10 NA 3	N10 02 N3 7	1,000 (100×10)
TC 2-11V-ST	1.9	11.0	19.5									
TC 2-16V-ST	1.9	16.0	24.5									

■ PIN



RoHS

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		STD QTY/BOX
	φF	ℓ	L	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
TC 0.3-9.5 ○	1.0	9.5	15.3	4.5	2.2	1.0	—	0.2~0.5 0.3~0.5 UL·CSA USE	24~20 22~20 UL·CSA USE	NH 60 NA 3	N3 70	1,000 (100×10)
TC 1.25-11 ○	1.9	11.0	17.5	4.5	3.4	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	NH 1 NH 61 NA 10 NA 3	N10 01 N3 7	1,000 (100×10)
TC 1.25-11S ○	1.5		17.5									
TC 1.25-16 ○	1.9	16.0	22.0									
TC 1.25-16S ○	1.5		22.0									
TC 1.25-20 ○	1.9	20.0	26.0									
TC 1.25-20S ○	1.5		26.0									
TC 2-11 ○	1.9	11.0	17.5	4.5	4.2	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	NH 1 NH 9 NH 61 NA 10 NA 3	N10 02 N3 7	1,000 (100×10)
TC 2-11S ○	1.5		17.5									
TC 2-16 ○	1.9	16.0	22.0									
TC 2-16S ○	1.5		22.0									
TC 2-20 ○	1.9	20.0	26.0									
TC 2-20S ○	1.5		26.0									
TC 3.5-11S ○	1.9	11.0	21.0				1.82 ∩ 2.40	2.63 ∩ 4.60	12			
TC 5.5-11 ○	2.7	11.0	21.0				1.82 ∩ 2.89	2.63 ∩ 6.64	12-10			

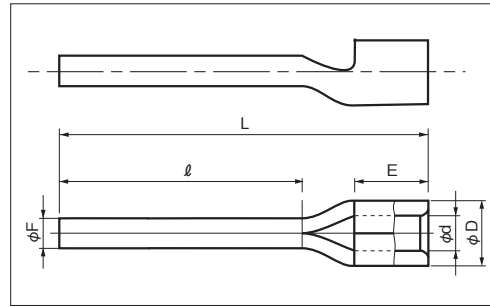
NOTE

- : UL, CSA
- Refer to page 12 for UL/CSA and proper strip length of wire.
- Refer to page 31 for insulation cap.

PIN TERMINAL WITH INSULATION CAP

A

■ Pin terminal & Insulation cap is packed in clear plastic package.

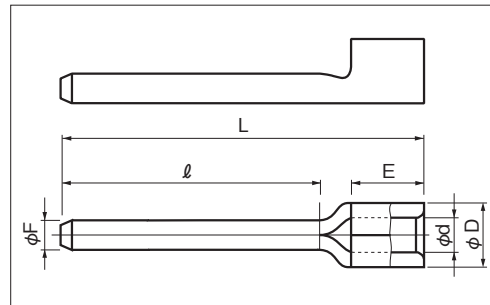


RoHS
See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		CAP COLOR	STD QTY/BOX			
							SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.						
	ϕ F	ℓ	L	E	ϕ D	ϕ d				TOOL BODY No.	DIES No.					
TC 1.25-13.5V-ST-C	1.9	13.5	22.0	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61 NA 10 NA 3 N10 01 N3 7		Red Translucent	1000 (100 × 10)			
TC 2-13.5V-ST-C		13.5			4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 NH 61 NH 9 NA 10 NA 3 N10 02 N3 7		Blue Translucent				
TC 2-16V-ST-C		16.0	24.5	6.5			5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9 NA 10 NA 3 N10 03 N3 7	Yellow Translucent	500 (50 × 10)		
TC 5.5-15ST-C		15.0	26.5													
TC 5.5-21ST-C		21.0	32.5													

Rated voltage / current : TC 1.25-13.5V-ST-C, TC 2-13.5V-ST-C [600V/20A]
TC 5.5-15ST-C, TC 5.5-21ST-C [600V/37A]

Material of cap : P.V.C. UL94V-0



RoHS
See page 2

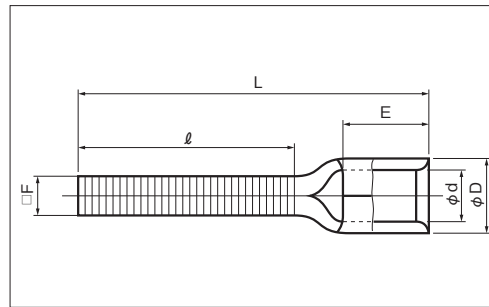
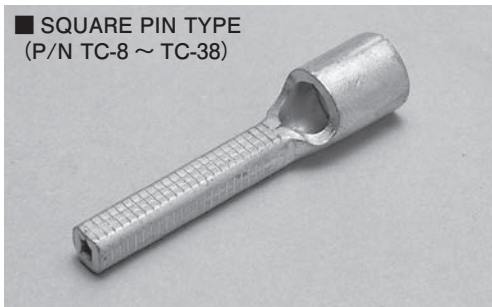
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		CAP COLOR	STD QTY/BOX
	φF	l	L	E	φD	φd	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.		
TC 235-16S-C	1.9	16.0	25.0	6.0	5.6	3.0	2.0~3.5	14-12	NH 1 NH 9 NA 10 NA 3	N10 03 N3 7	Yellow Translucent	500 (100 × 5)

Rated voltage / current : 600V/20A

Material of cap : P.V.C. UL94V-0

PIN TERMINALS (TC TYPE) with CAP

■ SQUARE PIN TYPE
(P/N TC-8 ~ TC-38)



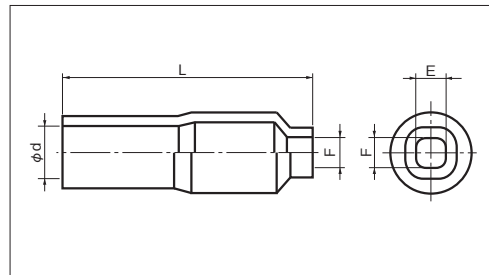
Supplied with cap.

RoHS

See page 2

PART NUMBER	DIMENSIONS mm						WIRE RANGE			TOOL No.		STD QTY/BOX
	□F	ℓ	L	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
TC 8-S-C	3.5	20.0	33.5	8.4	7.1	3.5	1.82 2.89	2.63 6.64	12-10	NH 1, NH 9 NOP 60, NOM 60		50
TC 8-C						4.5	2.89 3.65	6.64 10.52	8	NA 20 N20 08		150
TC 14S-C	3.5	25.0	40.5	10.0	9.0	5.8	—	10.52 16.78	6	NH 9, NOP 60 NOM 60, NOP 150HA NOM 150		50
TC 14-C	4.5									NA 20 N20 14		150
TC 22S-C	3.5	28.0	47.0	12.0	11.5	7.7	—	16.78 26.66	4	NOP 60 NOM 60 NOP 150HA NOM 150		50
TC 22-C	6.5											
TC 38-C	6.9	30.0	50.0	13.0	13.3	9.4	—	26.66 42.42	2	NA 20	N20 22 N20 38 N20 60	50
TC 60-C	6.9	30.0	60.0	18.5	15.6	11.4	—	42.42 60.57	1/0			

■ VC CAP for non-insulated pin terminals



RoHS

See page 2

Dimensions are of caps enclosed with Pin terminals. Sold only with Pin terminals.

PART NUMBER	DIMENSIONS mm				APPLICABLE TERMINAL PART NUMBER
	φd	E	F	L	
VC 8	6.5	3.5	3.5	30.5	TC 8S TC 8
VC 14	8.5	4.5	4.5	37	TC 14S TC 14
VC 22S	10	3.5	3.5	53	TC 22S
VC 22	10	6.5	6.5	50	TC 22
VC 38	12	6.9	6.9	58	TC 38
VC 60	14.5	6.9	6.9	61	TC 60

● MATERIAL : P.V.C.

● RATED VOLTAGE : 600V

[NOTE]

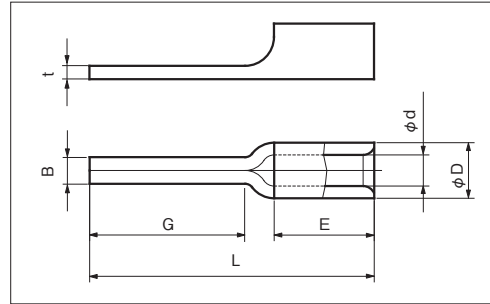
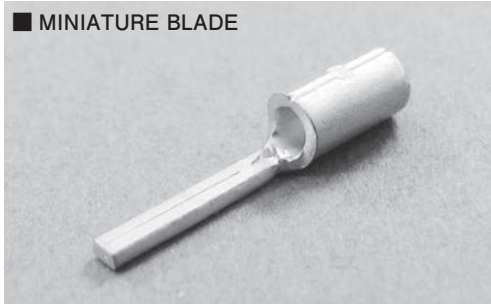
Translucency may not remain when applied to EP rubber insulated wire.

● COLOR : Transparent

● MAX. TEMPERATURE : 60°C

BLADE TERMINALS (BT TYPE)

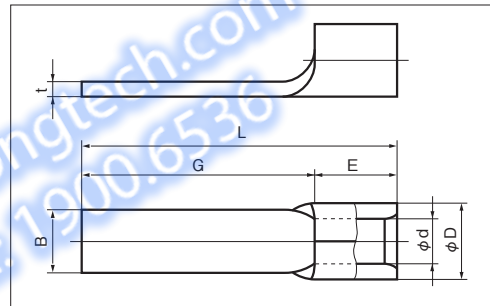
■ MINIATURE BLADE



RoHS
See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD QTY/BOX
	B	t	L	G	E	ϕD	ϕd	STRANDED mm ²	AWG	HAND TOOL No.	DIES No.	
BT 0.75-7	1.2	0.7	12.8	7.0	4.5	2.5	1.4	0.3~0.75	22-18	NH 69		1,000 (100×10)
BT 0.75-11			16.8	11.0						NA 10 NA 3	N10 05 N3 69	

■ BLADE



RoHS
See page 2

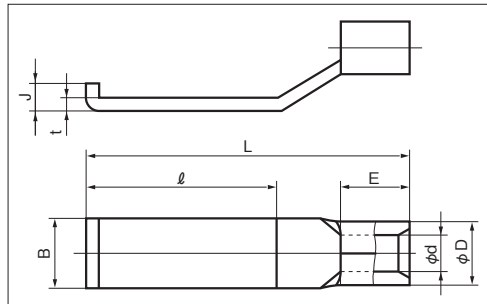
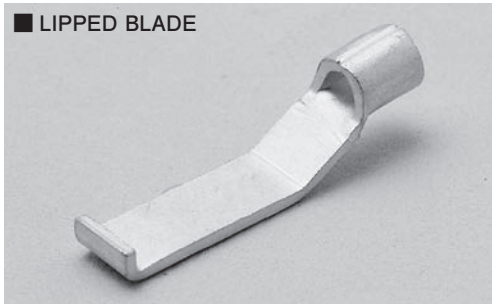
PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	B	t	L	G	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
BT 1.25-9-1	2.2	0.75	13.5	9.0	4.5	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 1 NH 61		1,000 (100×10)
BT 1.25-9	2.8		13.6	9.1									
BT 1.25-10-1	2.2		15.0	10.5									
BT 1.25-10	3.4		14.8	10.3									
BT 1.25-11	3.0		15.7	11.2									
BT 1.25-13	3.4		17.5	13.0									
BT 1.25-14	3.0		19.1	14.6							NA 10	N10 01	
BT 1.25-18	2.2		23.0	18.5							NA 3	N3 7	
BT 2-9-1	2.2	0.85	13.5	9.0	4.5	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 1 NH 9 NH 61		1,000 (100×10)
BT 2-9	2.8		13.6	9.1									
BT 2-13	4.6		17.5	13.0									
BT 2-18	2.2		23.0	18.5							NA 10	N10 02	
BT 5.5-10	2.8	0.95	16.5	10.0	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9		1,000 (100×10)
BT 5.5-13	4.5		19.5	13.0									
BT 5.5-18			24.5	18.0							NA 3	N3 7	

NOTE

- : UL, CSA
- Refer to page 12 for UL/CSA and proper strip length of wire.

BLADE TERMINALS (BT TYPE)

■ LIPPED BLADE



RoHS

See page 2

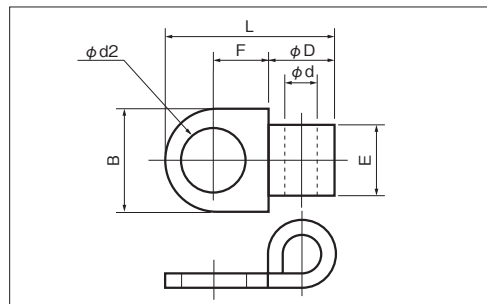
PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
	B	t	l	L	J	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
BT 1.25-17 ○	3.0	0.75	12.7	21.5	2.25	4.5	3.4	1.7	0.57	0.25	22-16	NH 1 NH 61	NA 10 NA 3 N10 01 N3 7	1,000 (100×10)
BT 1.25-17-1 ○	4.6								1.44	1.65				
BT 2-17 ○	3.0	0.85	12.7	21.5	2.30	4.5	4.2	2.3	1.14	1.04	16-14	NH 1 NH 9 NH 61	NA 10 NA 3 N10 02 N3 7	1,000 (100×10)
BT 2-17-1 ○	4.6								1.82	2.63				
BT 5.5-17-1 ○	4.6	0.95	12.7	23.5	2.45	6.5	5.6	3.4	1.82 2.89	2.63 6.64	12-10	NH 1 NH 9	NA 10 NA 3 N10 03 N3 7	1,000 (100×10)

NOTE

- : UL, CSA
- Refer to page 12 for UL/CSA and proper strip length of wire.

FLAG RING TERMINALS (FT TYPE)

■ FT TYPE



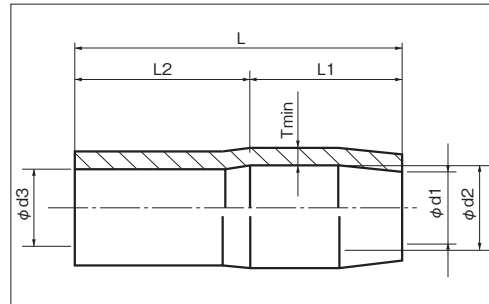
RoHS

See page 2

PART NUMBER	DIMENSIONS mm							WIRE RANGE			TOOL No.		STD QTY/BOX
	φd2	B	L	F	E	φD	φd	SOLID mm	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
FT 1-3	3.7	6.0	9.4	3.3	4.0	3.4	1.7	0.57 1.44	0.25 1.65	22-16	NH 20		1,000 (100×10)
FT 2-3	3.7	6.0	10.0	3.3	4.0	4.2	2.3	1.14 1.82	1.04 2.63	16-14	NH 20		1,000 (100×10)

INSULATION CAP

■ TIC CAP for non-insulated terminals



PART NUMBER	DIMENSIONS mm							APPLICABLE TERMINAL NOMINAL SIZE	STD QTY/BAG
	ϕ d1	ϕ d2	ϕ d3	L	L1	L2	T		
TIC 0.3	2.2	2.4	2.0	13.0	6.0	7.0	0.6	0.3 (Wire Size 0.3mm ²)	1,000 (100×10)
TIC 0.5	2.2	2.6	2.6	13.0	—	—	0.6	0.3 (Wire Size 0.5mm ²)	
TIC 0.75	2.2	2.9	2.9	13.0	—	—	0.6	0.75	
TIC 1.25	2.8	3.3	3.1	13.0	6.0	7.0	0.6	1.25	
TIC 2	3.5	4.0	3.6	14.0	7.5	6.5	0.7	2.0	
TIC 3.5	4.4	4.7	4.2	17.0	9.3	7.7	0.8	3.5	
TIC 5.5	4.7	5.2	5.2	17.0	—	—	0.8	5.5	500 (100×5)
TIC 8	5.8	6.8	6.2	19.0	11.3	9.0	1.0	8	
TIC 14	7.8	9.2	8.0	24.0	13.2	11.0	1.1	14	100
TIC 22	9.5	12.0	9.5	29.0	15.0	14.0	1.2	22	
TIC 38	11.8	14.0	11.8	33.0	17.0	16.0	1.5	38	
TIC 60	13.5	16.2	14.0	39.0	20.0	19.0	1.5	60	
TIC 80	16.0	19.0	16.0	46.0	25.0	21.0	1.6	80	50
TIC 100	18.0	22.0	18.0	54.0	30.0	24.0	1.7	100	
TIC 150	23.2	25.0	21.5	65.0	35.0	30.0	1.8	125 · 150	
TIC 200	28.0	33.0	24.5	68.0	38.7	30.0	1.8	200	20
TIC 250	32.7	37.5	27.0	73.0	42.0	31.0	2.0	250 325 (Wire Size 250mm ²)	
TIC 325	32.2	37.5	30.1	75.0	42.5	33.0	2.0	325	

● MATERIAL : P.V.C.

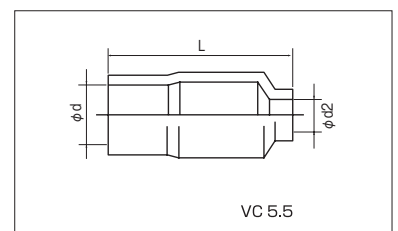
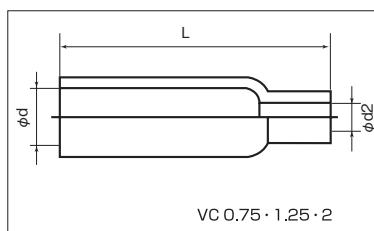
● RATED VOLTAGE : 600V

● COLOR : Red, White, Blue, Yellow,

● MAX. TEMPERATURE : 60°C

Black, Green & Transparent

[NOTE] Color may change if it is applied on EP rubber insulated wire.



PART NUMBER	DIMENSIONS mm			APPLICABLE TERMINAL PART NUMBER	STD QTY/BAG
	ϕ d	ϕ d2	L		
VC 0.75	2.9	ϕ 1.0	14.0	BT 0.75	1,000
VC 1.25	3.3	ϕ 2.0	16.5	TC 1.25	1,000
VC 2	4.0	ϕ 2.0	19.0	TC 2	1,000
VC 5.5	5.2	ϕ 2.8	16.0	TC 5.5	500

● MATERIAL : P.V.C.

● RATED VOLTAGE : 600V

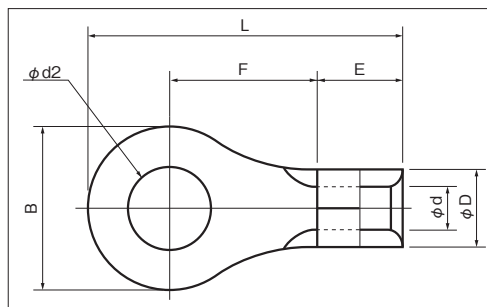
[NOTE] Color may change if it is applied on EP rubber insulated wire.

● COLOR : Transparent

● MAX. TEMPERATURE : 60°C

HIGH TEMPERATURE TERMINALS (N TYPE)

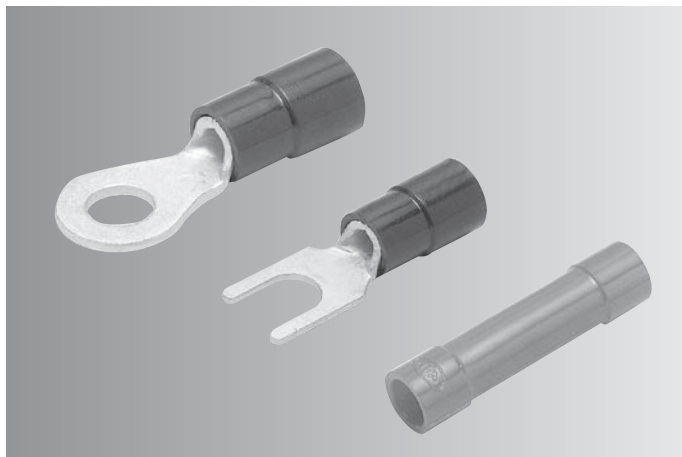
A



PART NUMBER	DIMENSIONS mm							WIRE RANGE	TOOL No.		STD QTY/BOX
	ϕ d2	B	L	F	E	ϕ D	ϕ d	SOLIDmm	HAND TOOL No.		
									TOOL BODY No.	DIES No.	
N 1.25-3	3.2	5.5	12.0	4.75	4.5	3.4	1.7	0.6~1.4	NH 1 NH 61	1,000 (100×10)	
N 1.25-4	4.3	8.0	15.6	7.1							
N 1.25-5	5.3										
N 2-4	4.3	8.5	16.5	7.75	4.5	4.2	2.3	1.5~1.8	NH 1 NH 9 NH 61	1,000 (100×10)	
N 2-5	5.3	9.5	17.0								
N 2-6	6.4	12.0	21.5								11.0
N 5.5-4	4.3	9.5	19.5	8.25	6.5	5.6	3.4	1.9~2.8	NH 1 NH 9	1,000 (100×10)	
N 5.5-5	5.3										
N 5.5-6	6.4										12.0
N 5.5-8	8.4	15.0	28.0	14.0				8.4	7.1	4.5	2.9~3.6
N 8-5	5.3	12.0	23.5	9.1							
N 8-6	6.4										
N 8-8	8.4	15.0	29.5	13.6	10.0	9.0	5.8				3.7~4.6
N 8-10	10.5										
N 14-6	6.4	12.0	27.5	11.5	10.0	9.0	5.8	3.7~4.6	NH 9 NOP 60 NOM 60	NOP 150HA NOM 150	100
N 14-8	8.4	16.0	32.5	14.5							
N 22-8	8.4	16.5	33.3	13.05	12.0	11.5	7.7	4.7~5.6	NOP 60 NOM 60 NOP 150HA NOM 150	100	
N 38-10	10.5	22.0	42.3	18.3	13.0	13.3	9.4	6.0~7.0	NOP 60 NOM 60 NOP 150HA NOM 150	100	

MATERIAL : NICKEL for 400°C MAX

INSULATED TERMINALS & SLEEVES



SPECIFICATION

- **MATERIAL** : Oxygen free copper strip/tube.
(electro-tin-plated)
Insulator : Vinyl/Nylon
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : Please see amperage rating table
for insulated wires. page 128
- **TEMPERATURE RANGE** : - 40°C ~ + 75°C (Vinyl)
- 40°C ~ + 105°C (Nylon)
- **FLAME RETARDANCE** : UL94V0 (Vinyl)
UL94V2 (Nylon)

STANDARDS

- Japanese Industrial Standards, JIS C2805
- UL486A (File No. E44245)
- CSA C22.2 (File No. LR-28418)



FOR SAFETY USE

Please observe the following points
to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.

(NOTE)

APPLICABLE WIRE

Wire range and performance ratings comply with JIS standards wire
(IV, KIV, VSF)

UL/CSA

To have UL/CSA listed or certified, use proper Nichifu crimp tool.
To find correct tool, see our tool selection page 127.

INSULATOR/COLOR

STANDARD COLOR				
	TME0.3/0.5	TME1.25	TME2	TME5.5
VINYL	Yellow	Red	Blue	Yellow
NYLON	Yellow translucent	Red translucent	Blue translucent	Yellow translucent

● Contact us for production lot, leadtime and pricing of specially
colored insulators excluding transparent and standard color for
TMEV(Vinyl).

● TMEV0.3/0.5 are available with Yellow or Green color.

WIRE STRIP LENGTH

A strip length should be approx. 2mm longer than crimp barrel
length. (Conductor should come out 1mm from crimp barrel.)

NYLON PRODUCTS

Due to greater water absorption rate than vinyl, keep unused parts
in closed container.

For terminal TME 1.25, we suggest wire size 0.5mm² or larger.

For wire size 0.3mm², we recommend terminal TME0.3/0.5.

STRUCTURE OF OUR PART NUMBER

NICHIFU P/N

TME	V	1.25	-	4
INSULATOR SHAPE	INSULATOR MATERIAL	NOMINAL SIZE		STUD SIZE mm
TME see next page	V : VINYL N : NYLON	0.3 → 0.3mm ² 1.25 → 1.25mm ² 2 → 2mm ² 3.5 → 3.5mm ² 5.5 → 5.5mm ²		

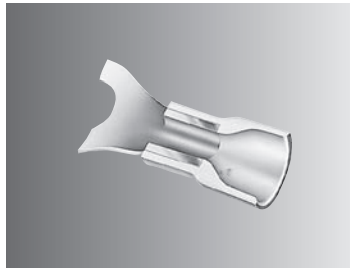
JIS P/N

RB	A	1.25	-	4
INSULATOR SHAPE	INSULATOR MATERIAL	NOMINAL SIZE		STUD SIZE mm
STRAIGHT : RA FLARE : RB	A : VINYL C : NYLON	1.25 → 1.25mm ² 2 → 2mm ² 5.5 → 5.5mm ²		

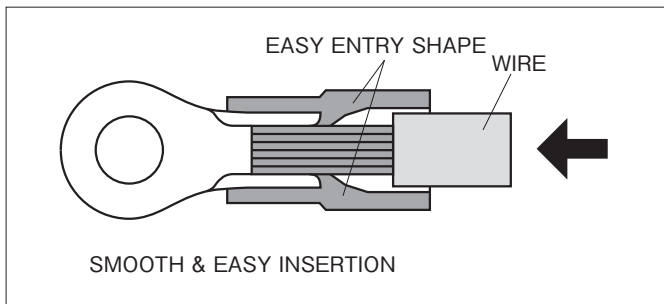
INSULATED TERMINALS & SLEEVES

SHAPE OF WIRE ENTRANCE

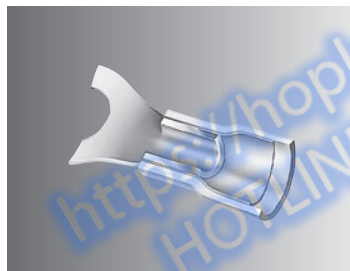
■ TME TYPE (EASY ENTRY)



Our TME insulated terminals are featured as easy entry structures which were innovated by NICHIFU. Wires can be inserted into the barrel easily. No need to twist.

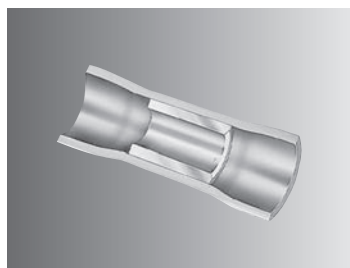


■ TMD TYPE



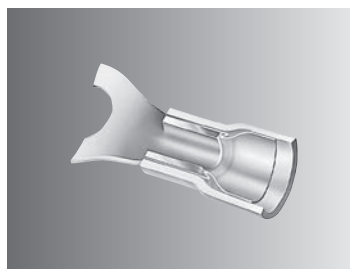
Double grip terminal, anti-vibration.

■ TM TYPE



Our insulated Butt/Parallel uses flared insulator.

■ TMDEN TYPE (EASY ENTRY)

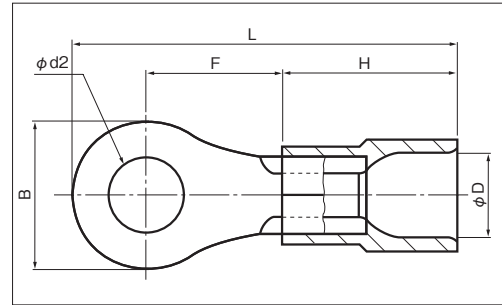


Nylon, easy entry, double grip terminals, anti-vibration. UL/CSA. Non-stock items.

INSULATED RING TERMINALS (R TYPE)

JIS C 2805

■ TME (RING)



TMEV : Vinyl
TMEN : Nylon

PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX	
		φd2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.		
										TOOL BODY No.		DIES No.
TMEV TMEN	0.3-2 ○	2.2	5.2	17.5	4.9	10.0	2.8	0.2-0.5 0.3-0.5 UL・CSA USE	24-20 22-20 UL・CSA USE	NH 5		1,000 (100×10)
	0.3-3 ○	3.2		19.8	7.2					NH 32		
	0.3-3N ○			20.5	7.2					NH 60		
	0.3-3.5 ○	3.7	6.6	20.5	7.2					NA 10 NA 3	N10 10 N3 5	
	0.3-4 ○	4.3										
	0.3-5 ○	5.3										
TMEV TMEN	1.25-2 ○	2.2	5.5	17.5	4.75	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22-16 N(NYLON) 20-16	NH 11 NH 32 NA 10 NA 3 N10 11 N3 11		1,000 (100×10)
	1.25-2S ○		5.7	17.4	4.55							
	1.25-3 (RB _C ^A 1.25-3) ●	3.2	5.5	17.5	4.75							
	1.25-3N ○		5.6	20.4	7.6							
	1.25-3S ○		5.7	17.4	4.55							
	1.25-3.5N ○	3.7	5.6	20.4	7.6							
	1.25-3.5S ○		5.7	17.4	4.55							
	1.25-3.5 (RB _C ^A 1.25-3.5) ●		6.6	18.8	5.5							
	1.25-3.5M ○	4.3	6.8	19.4	6.0							
	1.25-3.5L ○		8.0	21.1	7.1							
	1.25-4M ○		6.8	19.4	6.0							
	1.25-4 (RB _C ^A 1.25-4) ●	5.3	8.0	21.1	7.1							
	1.25-5 (RB _C ^A 1.25-5) ●											
	1.25-6 ○	6.4	12.0	25.7	9.7							
	1.25-8 ○	8.4										
	1.25-10 ○	10.5										
TMEV TMEN	2-2 ○	2.2	6.5	18.2	4.95	10.0	4.5	1.04 } 2.63	16-14	NH 12 NH 32 NA 10 NA 3 N10 12 N3 12		1,000 (100×10)
	2-3N ○	3.2	5.6	20.4	7.6							
	2-3S ○		5.7	17.8	4.95							
	2-3 ○		6.5	18.2								
	2-3.5N ○	3.7	5.6	20.4	7.6							
	2-3.5NS ○		6.5	18.2	4.95							
	2-3.5 (RB _C ^A 2-3.5) ●		6.6	19.9	6.6							
	2-3.5S ○	4.3	6.6	20.9	7.6							
	2-3.5M ○		8.0	21.5	7.5							
	2-4S ○		6.6	19.9	6.6							
	2-4M ○	5.3	8.0	21.5	7.5							
	2-4 (RB _C ^A 2-4) ●		8.5	22.0	7.75							
	2-5M ○		8.0	21.5	7.5							
	2-5 (RB _C ^A 2-5) ●	6.4	9.5	22.5	7.75							
	2-6 (RB _C ^A 2-6) ●		12.0	27.0	11.0							
	2-8 (RB _C ^A 2-8) ●											
	2-10 ○	10.5	15.0	30.0	12.5							
	2-12 ○	13.0	19.0	34.0	14.5							

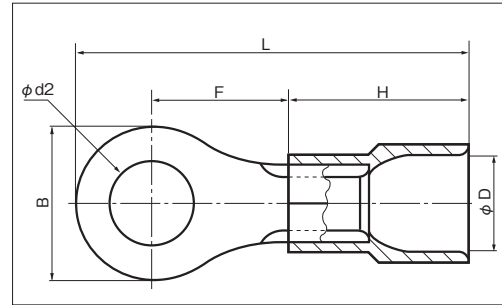
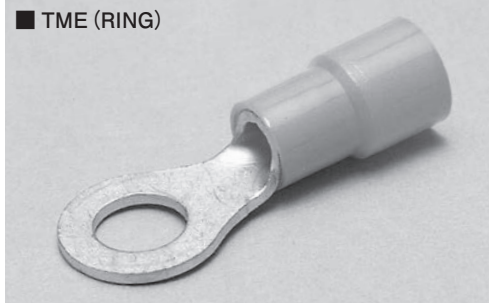
NOTE

- 1) ● : JIS/UL/CSA ○ : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- 2) Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- 3) JIS part No. is shown in parenthesis.
- 4) Transparent and colored insulators are available for TMEV(Vinyl).

INSULATED RING TERMINALS (R TYPE)

JIS C 2805

■ TME (RING)



TMEV : Vinyl
TMEN : Nylon

PART NUMBER			DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX								
								STRANDED mm ²	AWG	HAND TOOL No.										
			φd2	B	L	F	H			φD	TOOL BODY No.		DIES No.							
TMEV TMEN	3.5-4	○	4.3	8.0	26.0	8.0	14.0	6.3	2.63 } 4.6	12	NH 13		100							
	3.5-5S	○	5.3	9.6	28.0	9.2					NA 10 NA 3	N10 13 N3 13								
	3.5-5L	○		12.0	29.4	9.4														
	3.5-6L	○	6.4																	
	3.5-8	○	8.4	13.5	33.5	12.75														
TMEV TMEN	5.5-3M	○	3.2	6.5	24.45	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		100							
	5.5-3N	○		7.0	24.7															
	5.5-3S	○		9.0	25.7															
	5.5-3.5N	○	3.7	7.0	24.7	7.2														
	5.5-3.5S	○		9.0	25.7															
	5.5-3.5	○		9.5	27.0	8.25														
	5.5-4N	○	4.3	7.0	24.7	7.2														
	5.5-4S	○		9.0	25.7															
	5.5-4 (RB _C 5.5-4)	●		9.5	27.0	8.25														
	5.5-5N	○	5.3	8.0	25.2	7.2														
	5.5-5S	○		9.0	25.7															
	5.5-5 (RB _C 5.5-5)	●		9.5	27.0	8.25														
	5.5-6 (RB _C 5.5-6)	●	6.4	12.0	30.5	10.5														
	5.5-8 (RB _C 5.5-8)	●	8.4	15.0	35.5	14.0														
	5.5-10 (RB _C 5.5-10)	●	10.5																	
	5.5-12	○	13.0	19.2	40.0	16.4					NA 10 NA 3	N10 13 N3 13	50							
	5.5-14	○	15.0																	

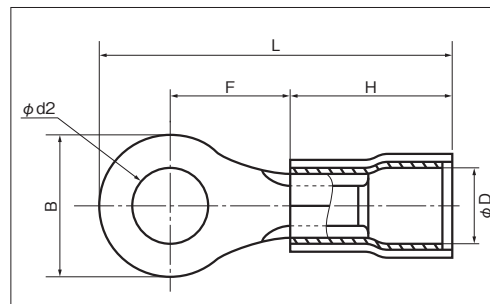
NOTE

- 1) ● : JIS/UL/CSA ○ : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- 2) Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- 3) JIS part No. is shown in parenthesis.
- 4) Transparent and colored insulators are available for TMEV(Vinyl).

INSULATED RING TERMINALS WITH EXTRA COPPER SLEEVE (R TYPE)



Non stock item
TMDV : Vinyl
TMDN : Nylon



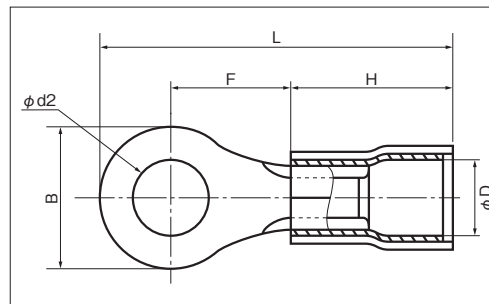
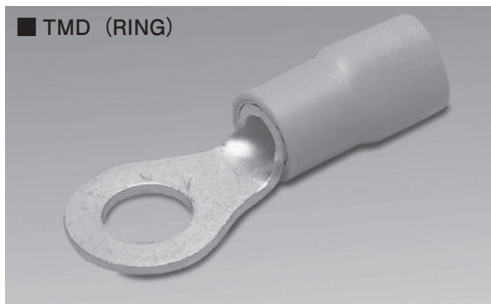
PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX				
							STRANDED mm ²	AWG	HAND TOOL No.						
		ϕd2	B	L	F	H			ϕD	TOOL BODY No.		DIES No.			
TMDN	0.3-2	2.2	5.2	17.5	4.9	10.0	2.9	0.2-0.5	24-20	NH 5 NH 32 NH 60	1,000 (100×10)				
	0.3-3	3.2		19.8	7.2										
	0.3-3N	3.2	6.6									20.5			
	0.3-3.5	3.7		21.0									7.0		
	0.3-4	4.3	21.0									7.0			
	0.3-5	5.3		21.0	7.0										
TMDV	1.25-2	2.2	5.5			17.5	4.75	10.0	4.0	0.3 1.65	22-16	NH 11 NH 32	1,000 (100×10)		
	1.25-2S		5.7	17.4	4.55										
	1.25-3	3.2	5.5	17.5	4.75										
	1.25-3N		5.6	20.4	7.6										
	1.25-3S	5.7	17.4	4.55											
	1.25-3.5N	3.7	5.6	20.4	7.6										
	1.25-3.5S		5.7	17.4	4.55										
	1.25-3.5		6.6	18.8	5.5										
	1.25-3.5M	6.8	19.4	6.0											
	1.25-3.5L	8.0	21.1	7.1											
	1.25-4M	4.3	6.6	19.4	6.0										
	1.25-4		8.0	21.1	7.1										
	1.25-5	5.3	12.0	25.7	9.7										
	1.25-6	6.4													
	1.25-8	8.4													
	1.25-10	10.5	16.5	30.5	12.25									NA 10	N10 21
	TMDV	2-2	2.2	6.5	18.2	4.95	10.0							4.3	1.04 2.63
2-3N		3.2	5.6	20.4	7.6										
2-3S			5.7	17.8	4.95										
2-3			6.5	18.2											
2-3.5N		3.7	5.6	20.4	7.6										
2-3.5NS			6.5	18.2	4.95										
2-3.5			6.6	19.9	6.6										
2-3.5S		6.6	20.9	7.6											
2-3.5M		8.0	21.5	7.5											
2-4S		4.3	6.6	19.9	6.6										
2-4			8.5	22.0	7.75										
2-4M		5.3	8.0	21.5	7.5										
2-5M			9.5	22.5	7.75										
2-5		6.4	12.0	27.0	11.0										
2-6		8.4													
2-8		10.5													
2-10		10.5	15.0	30.0	12.5				NA 10	N10 22					
2-12		13.0	19.0	34.0	14.5										

NOTE

- : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 34.

INSULATED RING TERMINALS WITH EXTRA COPPER SLEEVE (R TYPE)

■ TMD (RING)



Non stock item
TMDV : Vinyl

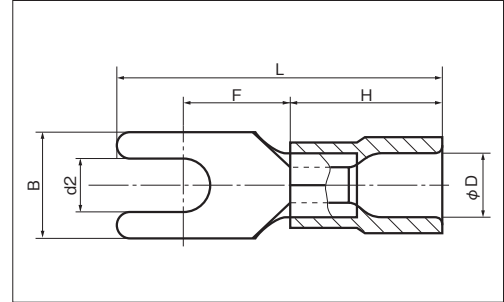
PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX	
		ϕd2	B	L	F	H	ϕD	STRANDED mm²	AWG	HAND TOOL No.		
										TOOL BODY No.		DIES No.
TMDV	5.5-3M	3.2	6.5	24.45	7.2	14.0	6.0	2.63 5 6.64	12-10	NH 13		100
	5.5-3N		7.0	24.7								
	5.5-3S		9.0	25.7								
	5.5-3.5N	3.7	7.0	24.7	8.25							
	5.5-3.5S		9.0	25.7								
	5.5-3.5		9.5	27.0								
	5.5-4N	4.3	7.0	24.7	7.2							
	5.5-4S		9.0	25.7								
	5.5-4		9.5	27.0								
	5.5-5N	5.3	8.0	25.2	7.2							
	5.5-5S		9.0	25.7								
	5.5-5		9.5	27.0								
	5.5-6	6.4	12.0	30.5	10.5							
	5.5-8	8.4	15.0	35.5	14.0							
	5.5-10	10.5										
5.5-12	13.0											
5.5-14	15.0	19.2	40.0	16.4	NA 10	N10 23	50					

NOTE

- : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- Refer to page 33 for UL/CSA, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 34.

INSULATED SPADE TERMINALS (Y TYPE)

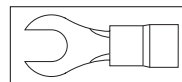
■ TME (SPADE)



TMEV : Vinyl
TMEN : Nylon

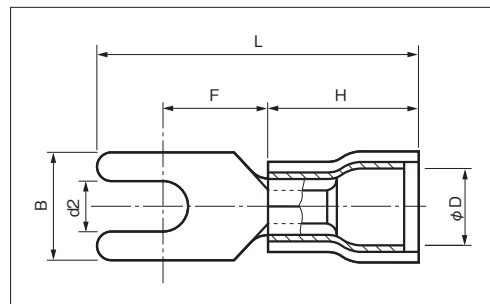
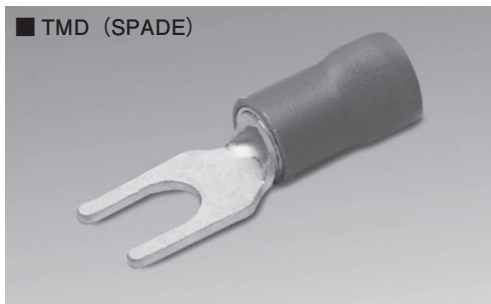
PART NUMBER			DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX	
			d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.		
TMEV TMEN	0.3Y-2	○	2.2	5.2	17.5	4.9	10.0	2.8	0.2-0.5 0.3-0.5 UL·CSA USE	24-20 22-20 UL·CSA USE	NH 5 NH 32 NH 60		1,000 (100×10)
	0.3Y-3	○	3.2										
	0.3Y-3.5N	○	3.7	5.8	20.5	5.8							
	0.3Y-4N	○	4.3	6.4		6.6							
	0.3Y-5	○	5.3	8.0	21.0	7.0					NA 10 NA 3	N10 10 NA 3 5	
TMEV TMEN	1.25Y-2.5	○	2.7	4.7	17.2	5.1	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22-16 N(NYLON) 20-16	NH 11 NH 32		1,000 (100×10)
	1.25Y-3K	○	3.2	5.6	20.5	5.8							
	1.25Y-3S	○		5.7	17.4	4.8							
	1.25Y-3	○		5.8	20.5	5.8							
	1.25Y-3N	○	21.5		6.6								
	1.25Y-3.5K	○	3.7	5.6	20.5	5.8							
	1.25Y-3.5	○		5.8									
	1.25Y-3L	○		6.2	21.5	6.8							
	1.25Y-4N	○	4.3	6.4	21.9	6.6							
	1.25Y-4S	○		7.0		7.6							
	1.25Y-4M	○		8.1		7.5							
	1.25Y-4L	○	9.6	23.0	8.3								
	1.25Y-5	○				5.3							
	1.25Y-6	○	6.4	11.0	24.5	8.6					NA 10 NA 3	N10 11 N3 11	
TMEV TMEN	2Y-3	○	3.2	5.9	21.3	6.6	10.0	4.5	1.04 ∩ 2.63	16-14	NH 12 NH 32		1,000 (100×10)
	2Y-3.5S	○	3.7	5.8									
	2Y-3.5	○											
	2Y-3.5L	○	6.4	7.6									
	2Y-4N	○	4.3	7.0	21.5	6.6							
	2Y-4S	○				7.0							
	2Y-4	○				8.0					7.1		
	2Y-4M	○	10.0	22.6	8.7								
	2Y-5	○	5.3	8.0	21.5	7.1							
	2Y-5M	○		10.0	22.6	8.7							
	2Y-5L	○		12.0	23.5	8.5							
	2Y-6	○	6.4		25.5	8.6							
	2Y-8	○	8.4	14.0	27.5	11.5					NA 10 NA 3	N10 12 N3 12	
	TMEV TMEN	3.5Y-4	○	4.3	8.0	26.0					7.2	14.0	
3.5Y-5		○	5.3	9.5	28.0	8.3	NA 10 NA 3	N10 13 N3 13					
3.5Y-6		○	6.4	12.0	30.0	9.8							
TMEV TMEN	5.5Y-4S	○	4.3	8.4	25.7	7.2	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13		100
	5.5Y-4	○		9.0									
	5.5Y-5	○	5.2	9.0									
	5.5Y-6	○	6.4	12.5	32.7	12.0					NA 10 NA 3	N10 13 N3 13	

- : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- Tongue shape of 1.25Y-3S is shown right.
- Transparent and colored insulators are available for TMEV(Vinyl).



INSULATED SPADE TERMINALS WITH EXTRA COPPER SLEEVE (Y TYPE)

■ TMD (SPADE)

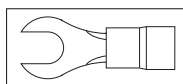


Non stock item
TMDV : Vinyl
TMDN : Nylon

PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX	
		d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
										TOOL BODY No.	DIES No.		
TMDN	0.3Y-2	2.2	5.2	17.5	4.9	10.0	2.9	0.2~0.5	24-20	NH 5 NH 32 NH 60	1,000		
	0.3Y-3	3.2											
	0.3Y-3.5N	3.7	5.8	20.5	5.8								
	0.3Y-4N	4.3	6.4		6.6								
	0.3Y-5	5.3	8.0	21.0	7.0								
TMDV	1.25Y-2.5 ○	2.7	4.7	17.2	5.1	10.0	4.0	0.3 1.65	22-16	NH 11 NH 32	1,000 (100×10)		
	1.25Y-3K ○	3.2	5.6	20.5	5.8								
	1.25Y-3S ○		5.7	17.9	4.8								
	1.25Y-3 ○		5.8	20.5	5.8								
	1.25Y-3N ○	6.6											
	1.25Y-3.5K ○	3.7	5.6		5.8								
	1.25Y-3.5 ○		5.8		5.8								
	1.25Y-3L ○	4.3	6.2	21.5	6.8								
	1.25Y-4N ○		6.4	21.9	6.6								
	1.25Y-4S ○		7.0		7.6								
	1.25Y-4M ○	8.1	7.5										
	1.25Y-4L ○	5.3	9.6	23.0	8.3								
	1.25Y-5 ○		8.6										
	1.25Y-6 ○	6.4	11.0	24.5	8.6							NA 10	N10 21
	TMDV	2Y-3 ○	3.2	5.9	21.3							6.6	10.0
2Y-3.5S ○		3.7	5.8	6.6									
2Y-3.5 ○			6.4	7.6									
2Y-3.5L ○				6.6									
2Y-4N ○		4.3	7.0	21.5	7.0								
2Y-4S ○			8.0	7.1									
2Y-4 ○			10.0	8.7									
2Y-4M ○		5.3	8.0	21.5	7.1								
2Y-5 ○			10.0	22.6	8.7								
2Y-5M ○			12.0	23.5	8.5								
2Y-5L ○		25.5		8.6									
2Y-6 ○		6.4	14.0	27.5	11.5	NA 10	N10 22						
2Y-8 ○		8.4											
TMDV	5.5Y-4S ○	4.3	8.4	25.7	7.2	14.0	6.0	2.63 6.64	12-10	NH 13	100		
	5.5Y-4 ○		9.0										
	5.5Y-5 ○	5.2	9.0										
	5.5Y-6 ○	6.4	12.5	32.7	12.0							NA 10	N10 23

NOTE

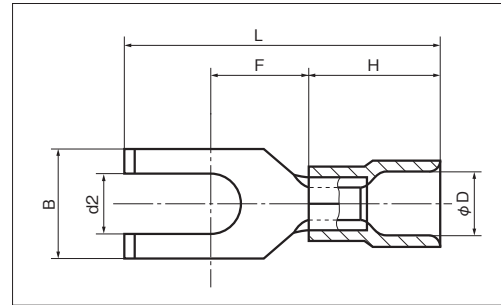
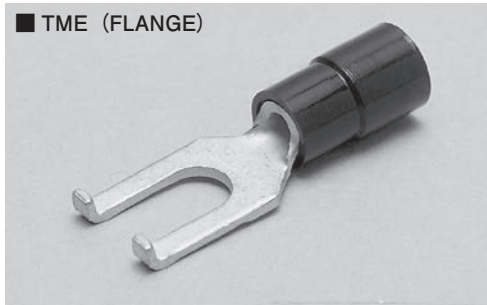
- : UL/CSA □ : VINYL □ : NYLON
- Refer to page 33 for UL/CSA, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 34.
- Tongue shape of 1.25Y-3S is shown right.



INSULATED SPADE TERMINALS (Y TYPE)



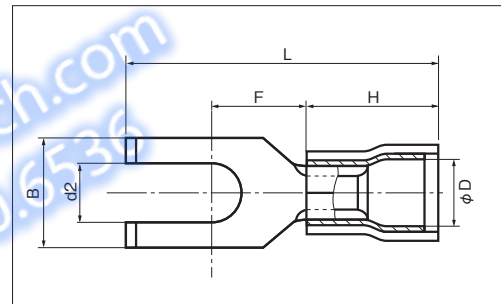
TMEV : Vinyl
TMEN : Nylon



PART NUMBER			DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX	
								STRANDED mm ²	AWG	HAND TOOL No.			
					TOOL BODY No.	DIES No.							
TMEV TMEN	1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.1	V(VINYL) 0.3~1.65	V(VINYL) 22-16	NH 11 NH 32		1,000 (100×10)
	1.25Y-4W	○	4.3						N(NYLON) 0.5~1.65	N(NYLON) 20-16	NA 10 NA 3	N10 11 N3 11	
	1.25Y-5W	○	5.3										
TMEV TMEN	2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.5	1.04 ∫ 2.63	16-14	NH 12 NH 32		1,000 (100×10)
	2Y-4W	○	4.3								NA 10 NA 3	N10 12 N3 12	
	2Y-5W	○	5.3										



Non stock item
TMDV : Vinyl



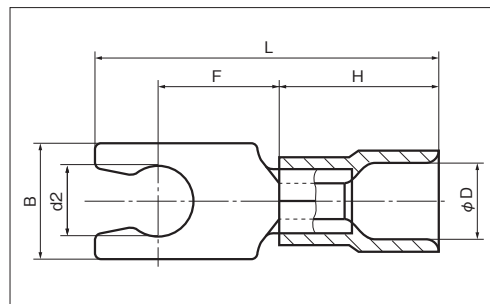
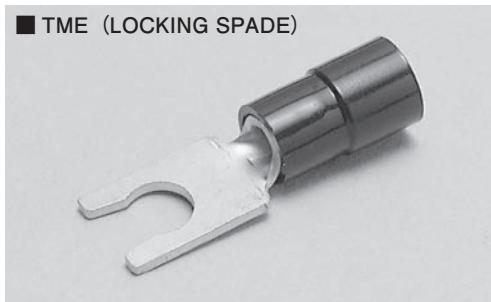
PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX	
		d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.			
										TOOL BODY No.	DIES No.		
TMDV	1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.0	0.3 ∫ 1.65	22-16	NH 11 NH 32		1,000 (100×10)
	1.25Y-4W	○	4.3								NA10	N10 21	
	1.25Y-5W	○	5.3										
TMDV	2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.3	1.04 ∫ 2.63	16-14	NH 12 NH 32		1,000 (100×10)
	2Y-4W	○	4.3								NA10	N10 22	
	2Y-5W	○	5.4										

NOTE

- : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMDEN Type is also available, see page 34.
- Transparent and colored insulators are available for TMEV(Vinyl).

INSULATED SPADE TERMINALS (Y TYPE)

■ TME (LOCKING SPADE)



RoHS

See page 2

RoHS

Yellow Nylon
See page 2

TMEV : Vinyl
TMEN : Nylon

PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX
		d2	B	L	F	H	φD	STRANDED mm ²	AWG	HAND TOOL No.		
										TOOL BODY No.	DIES No.	
TMEV TMEN	1.25LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22-16 N(NYLON) 20-16	NH 11		1,000 (100×10)
	1.25LY-3.5S ○	3.7								NH 32		
	1.25LY-4S ○	4.3	7.1	21.5	7.6					NA 10	N10 11	
	1.25LY-5S ○	5.3	8.4	22.5	8.5					NA 3	N3 11	
TMEV TMEN	2LY-3S ○	3.2	6.4	19.5	6.6	10.0	4.5	1.04 ∫ 2.63	16-14	NH 12		1,000 (100×10)
	2LY-3.5S ○	3.7								NH 32		
	2LY-4S ○	4.3	7.1	21.5	7.6					NA 10	N10 12	
	2LY-5S ○	5.3	8.4	22.5	8.5					NA 3	N3 12	
TMEV TMEN	5.5LY-3.5S ○	3.7	7.9	25.7	7.6	14.0	6.8	2.63 ∫ 6.64	12-10	NH 13		100
	5.5LY-4S ○	4.3								NA 10	N10 13	
	5.5LY-5S ○	5.3								8.4	NA 3	

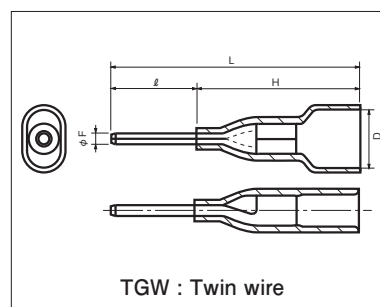
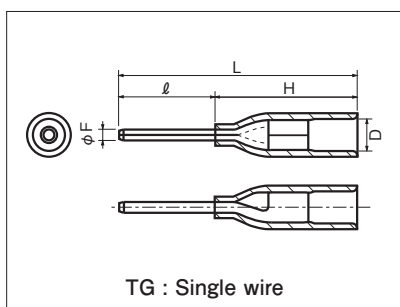
NOTE

- : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON
- Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMD & TMDEN Type are also available, see page 34.
- Transparents and colored insulators are available for TMEV(Vinyl).

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HOTLINE: 1900.6536

INSULATED PIN TERMINALS (TC TYPE)

■ TGT Pin is in line with the center of the barrel.



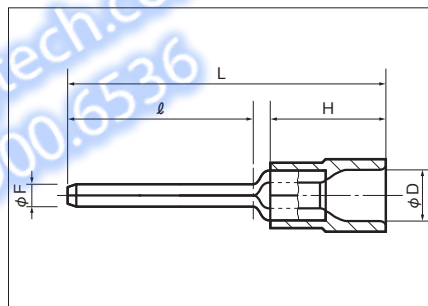
TGV : Vinyl
TGN : Nylon



Rated voltage 300V Rated current 17A

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.	MATERIAL OF INS.	COLOR	STD QTY/BOX
	φF	ℓ	L	H	φD	STRANDED mm ²	AWG				
TGV TC-1.25-9T	1.1	9.0	25.0	16.0	φ 3.6	0.3~1.65	22-16	(NH 11/NH 32) NH 65	Vinyl	RED TRANSLUCENT	100
TGN TC-1.25-9T									Nylon	TRANSPARENT	
TGV TC-1.25-11T		11.0	27.0	17.6	6.6			AIR TOOL BODY : NA3 DIES : N3 11T	Vinyl	RED TRANSLUCENT	100 1000
TGN TC-1.25-11T									Nylon	TRANSPARENT	
TGWV TC-1.25-9T		9.0	26.6	17.6	6.6			NH 66	Vinyl	RED TRANSLUCENT	100
TGWV TC-1.25-11T											

■ TME (PIN)



TMEV : Vinyl
TMEN : Nylon

PART NUMBER			DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
									HAND TOOL No.		
			φF	ℓ	L	H	φD	STRANDED mm ²	AWG	TOOL BODY No.	
TMEV TC-0.3-9.5	○	1.0	9.5	20.8	10.0	2.8	0.2-0.5 0.3-0.5 UL・CSA USE	24-20 22-20 UL・CSA USE	NH 5 NH 32 NH 60 NA 10 NA 3		1,000 (100×10)
									N10 10 N3 5		
TMEV TC-1.25-11	○	1.9	11.0	23.0	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22-16 N(NYLON) 20-16	NH 11 NH 32		1,000 (100×10)
		1.5									
		1.9	16.0	27.5					NH 11 NH 32		
		1.5									
		1.9	20.0	31.5					NA 10 NA 3		
		1.5							N10 11 N3 11		
TMEV TC-2-11	○	1.9	11.0	23.0	10.0	4.5	1.04 } 2.63	16-14	NH 12 NH 32		1,000 (100×10)
		1.5									
		1.9	16.0	27.5					NH 12 NH 32		
		1.5									
		1.9	20.0	31.5					NA 10 NA 3		
		1.5							N10 12 N3 12		
TMEV TC-3.5-11S	○	1.9	11.0	29.0	14.0	6.3	2.63 } 4.6	12	NH 13 NA 10 NA 3		100
		N10 13 N3 13									
TMEV TC-5.5-11	○	2.7	11.0	28.5	14.0	6.8	2.63 } 6.64	12-10	NH 13 NA 10 NA 3		100
		N10 13 N3 13									

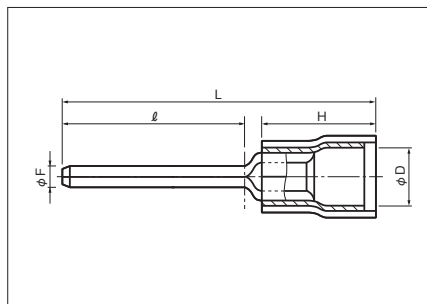
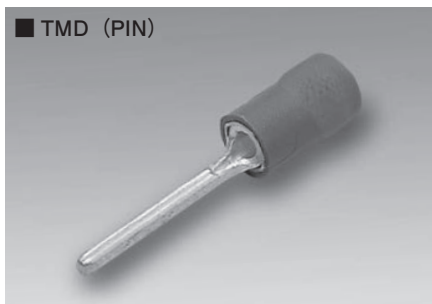
NOTE 1) ○ : UL/CSA △ : UL INSULATOR MATERIAL □ : VINYL ▢ : NYLON

2) Please refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

3) Transparents and colored insulators are available for TMEV(Vinyl).

INSULATED PIN TERMINALS WITH EXTRA COPPER SLEEVE (TC TYPE)

■ TMD (PIN)



Non stock item
TMDV : Vinyl

PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX
							STRANDED mm ²	AWG	HAND TOOL No.		
		φF	ℓ	L	H	φD			TOOL BODY No.	DIES No.	
TMDV	TC-1.25-11 ○	1.9	11.0	23.0	10.0	4.0	0.3 ∫ 1.65	22-16	NH 11 NH 32		1,000 (100×10)
	TC-1.25-11S ○	1.5									
	TC-1.25-16 ○	1.9	16.0	27.5							
	TC-1.25-16S ○	1.5									
	TC-1.25-20 ○	1.9	20.0	31.5							
	TC-1.25-20S ○	1.5									
TMDV	TC-2-11 ○	1.9	11.0	23.0	10.0	4.3	1.04 ∫ 2.63	16-14	NH 12 NH 32		1,000 (100×10)
	TC-2-11S ○	1.5									
	TC-2-16 ○	1.9	16.0	27.5							
	TC-2-16S ○	1.5									
	TC-2-20 ○	1.9	20.0	31.5							
	TC-2-20S ○	1.5									
TMDV TC-5.5-11 ○		2.7	11.0	28.5	14.0	6.0	2.63 ∫ 6.64	12-10	NH 13 NA 10	N10 23	100

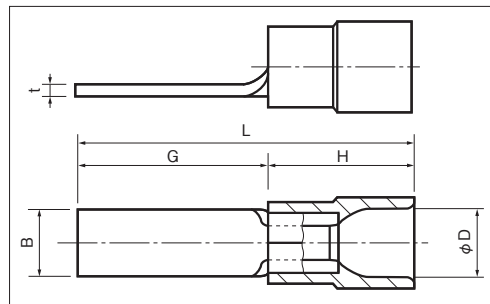
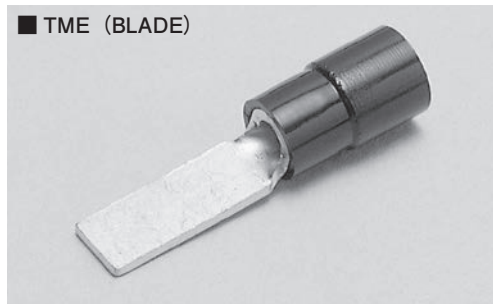
NOTE 1) ○ : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

3) TMDEN Type are available, see page 34.

INSULATED BLADE TERMINALS (BT TYPE)

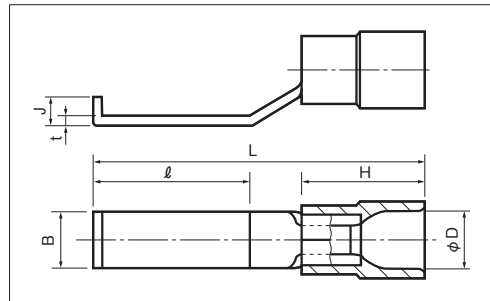
■ TME (BLADE)



TMEV : Vinyl
TMEN : Nylon

PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX
		B	t	L	G	H	φD	STRANDED mm ²	AWG	HAND TOOL No.		
										TOOL BODY No.	DIES No.	
TMEV TMEN	BT 1.25-9-1 ○	2.2	0.75	19.0	9.0	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22~16 N(NYLON) 20~16	NH 11 NH 32 NA 10 N10 11 NA 3 N3 11		1,000 (100×10)
	BT 1.25-9 ○	2.8		19.1	9.1							
	BT 1.25-10-1 ○	2.2		20.5	10.5							
	BT 1.25-10 ○	3.4		20.3	10.3							
	BT 1.25-11 ○	3.0		21.2	11.2							
	BT 1.25-13	3.4		23.0	13.0							
	BT 1.25-14 ○	3.0		24.6	14.6							
	BT 1.25-18 ○	2.2		28.5	18.5							
TMEV TMEN	BT 2-9-1 ○	2.2	0.85	19.0	9.0	10.0	4.5	1.04 ∩ 2.63	16-14	NH 12 NH 32 NA 10 N10 12 NA 3 N3 12		1,000 (100×10)
	BT 2-9 ○	2.8		19.1	9.1							
	BT 2-13 ○	4.6		23.0	13.0							
	BT 2-18 ○	2.2		28.5	18.5							
TMEV TMEN	BT 5.5-10 ○	2.8	0.95	24.0	10.0	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13 NA 10 N10 13 NA 3 N3 13		100
	BT 5.5-13 ○	4.5		27.0	13.0							
	BT 5.5-18 ○			32.0	18.0							

■ TME (LIPPED BLADE)



TMEV : Vinyl
TMEN : Nylon

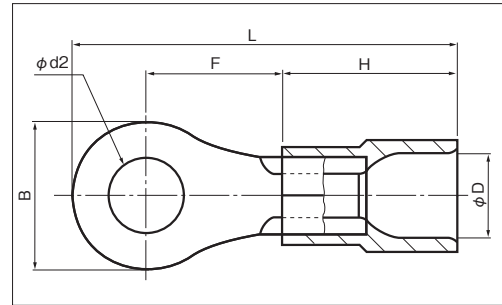
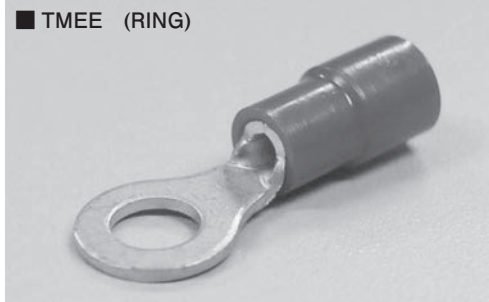
PART NUMBER		DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX	
		B	t	ℓ	L	J	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.		DIES No.
TMEV BT 1.25-17	○	3.0	0.75	12.7	27.0	2.25	10.0	4.1	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22-16 N(NYLON) 20-16	NH 11		1,000 (100×10)
	TMEN BT 1.25-17-1	○									4.6	NH 32	
											NA 10	N10 11	
											NA 3	N3 11	
TMEV BT 2-17	○	3.0	0.85				2.30		4.5	1.04 ∩ 2.63	16-14	NH 12	
TMEN BT 2-17-1	○												NA 10
											NA 3	N3 12	
TMEV BT 5.5-17-1	○	4.6	0.95		31.0	2.45	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13		100
											NA 10	N10 13	
											NA 3	N3 13	

NOTE 1) ○ : UL/CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

- Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
- TMD & TMDEN Type are also available, see page 34.
- Transparent and colored insulators are available for TMEV(Vinyl).

ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (R TYPE)

■ TMEE (RING)



RoHS

See page 2

(Non stock item)

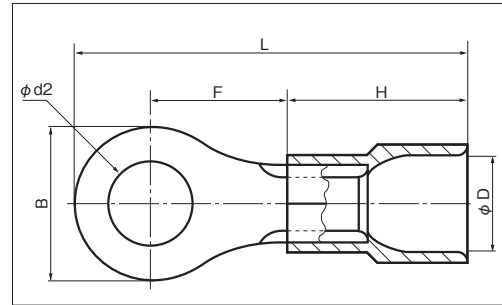
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX		
	φ d2	B	L	F	H	φ D	STRANDED mm ²	AWG	HAND TOOL No.				
									TOOL BODY No.	DIES No.			
0.3-2	2.2	5.2	17.5	4.9	10.0	2.8	0.2-0.5	24-20	NH 5 NH 32 NH 60		1,000 (100×10)		
0.3-2N			19.8	7.2									
0.3-3	3.2		17.5	4.9									
0.3-3N			19.8	7.2									
0.3-3.5	3.7	6.6	20.5	7.2					NA 10 NA 3	N10 10 N3 5			
0.3-4	4.3												
0.3-5	5.3	8.0	21.0	7.0									
1.25-2	2.2	5.5	17.5	4.75	10.0	4.1	0.3 1.65	22-16	NH 11 NH 32		1,000 (100×10)		
1.25-2S		5.7	17.4	4.55									
1.25-3	3.2	5.5	17.5	4.75									
1.25-3N		5.6	20.4	7.6									
1.25-3S	3.7	5.7	17.4	4.55									
1.25-3.5N		5.6	20.4	7.6									
1.25-3.5S		5.7	17.4	4.55									
1.25-3.5		6.6	18.8	5.5									
1.25-3.5M	4.3	6.8	19.4	6.0									
1.25-3.5L		8.0	21.1	7.1									
1.25-4M	4.3	6.8	19.4	6.0									
1.25-4		8.0	21.1	7.1									
1.25-5	5.3												
1.25-6	6.4	12.0	25.7	9.7									
1.25-8	8.4												
1.25-10	10.5	16.5	30.5	12.25								NA 10 NA 3	N10 11 N3 11
2-2	2.2	6.5	18.2	4.95	10.0	4.5	1.04 2.63	16-14	NH 12 NH 32		1,000 (100×10)		
2-3N	3.2	5.6	20.4	7.6									
2-3S		5.7	17.8	4.95									
2-3	3.7	6.5	18.2	4.95									
2-3.5N		5.6	20.4	7.6									
2-3.5NS		6.5	18.2	4.95									
2-3.5		6.6	19.9	6.6									
2-3.5S	4.3	6.6	20.9	7.6									
2-3.5M		8.0	21.5	7.5									
2-4S	4.3	6.6	19.9	6.6									
2-4M		8.0	21.5	7.5									
2-4	5.3	8.5	22.0	7.75									
2-5M		8.0	21.5	7.5									
2-5	6.4	9.5	22.5	7.75									
2-6		12.0	27.0	11.0									
2-8	8.4												
2-10	10.5	15.0	30.0	12.5								NA 10 NA 3	N10 12 N3 12
2-12	13.0	19.0	34.0	14.5									

NOTE

1) Please refer to page 33 for proper strip length of wire

ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (R TYPE)

■ TMEE (RING)



(Non stock item)

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX		
	ϕd2	B	L	F	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No.				
									TOOL BODY No.	DIES No.			
5.5-3M	3.2	6.5	24.45	7.2	14.0	6.8	2.63 } 6.64	12-10	NH 13		100		
5.5-3N		7.0	24.7										
5.5-3S		9.0	25.7										
5.5-3.5N	3.7	7.0	24.7	8.25									
5.5-3.5S		9.0	25.7										
5.5-3.5		9.5	27.0										
5.5-4N	4.3	7.0	24.7	7.2									
5.5-4S		9.0	25.7										
5.5-4		9.5	27.0										
5.5-5N	5.3	8.0	25.2	7.2									
5.5-5S		9.0	25.7										
5.5-5		9.5	27.0										
5.5-6	6.4	12.0	30.5	10.5									
5.5-8	8.4	15.0	35.5	14.0									
5.5-10	10.5												
5.5-12	13.0	19.2	40.0	16.4							NA 10	N10 13	50
5.5-14	15.0	22.0											

NOTE

1) Please refer to page 33 for proper strip length of wire

FEATURES

Easy to recycle

Specific gravity is 1.2, and it is easy to separate from vinyl plastic using weight filtering.

No emmission of poisonous gas

This material does not contain any Halogen substance. Even when it burns, do not give out Halogen gas, corrosive gas or Dioxion gas.

No heavy metal content

It does not contain any heavy metal. When it is buried in a wasteland, no poisonous heavy metal dissolve into the environment.

Flame retardant

Similar level of heat and flame retardance compaired with Vinyl.
As level of smoke density value is lower than Ds 150, do not cause any harm.

Bright color and no deterioration of material

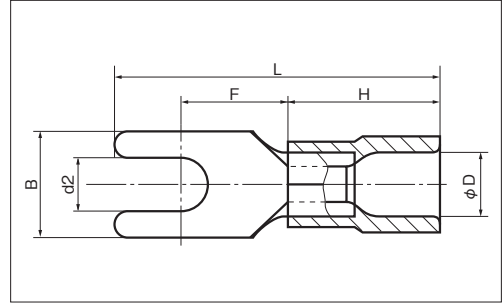
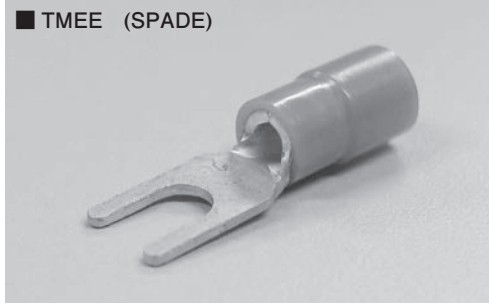
Adding color to this material is easy as Vinyl. Color fading or deterioration of material will not occur even after many years.

Superior electrical quality

Higher di-electric voltage, and heat resistance compaired with Vinyl.

ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (R TYPE)

■ TMEE (SPADE)



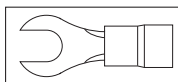
RoHS
See page 2

(Non stock item)

PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		STD QTY/BOX			
		d2	B	L	F	H	Ø D	STRANDED mm ²	AWG	HAND TOOL No.				
										TOOL BODY No.		DIES No.		
TMEE	0.3Y-2	2.2	5.2	17.5	4.9	10.0	2.8	0.2-0.5	24-20	NH 5		1,000 (100×10)		
	0.3Y-3	3.2		NH 32										
	0.3Y-3.5N	3.7	20.5	5.8	NH 60									
	0.3Y-4N	4.3		6.4	6.6					NA 10	N10 10			
	0.3Y-5	5.3	8.0	21.0	7.0					NA 3	NA 3			
TMEE	1.25Y-2.5	2.7	4.7	17.2	5.1	10.0	4.1	0.3 1.65	22-16	NH 11 NH 32		1,000 (100×10)		
	1.25Y-3K	3.2	5.6	20.5	5.8									
	1.25Y-3S		5.7	17.4	4.8									
	1.25Y-3		20.5	5.8										
	1.25Y-3N		5.8	21.5	6.6									
	1.25Y-3.5K	3.7	5.6	20.5	5.8									
	1.25Y-3.5		5.8											
	1.25Y-3L		6.2		21.5								6.8	
	1.25Y-4N	4.3	6.4	21.9	6.6									
	1.25Y-4S		7.0		7.6									
	1.25Y-4M		8.1		7.5									
	1.25Y-4L		9.6	23.0	8.3									
	1.25Y-5	5.3											NA 10	N10 11
	1.25Y-6	6.4	11.0	25.5	8.6								NA 3	N3 11
TMEE	2Y-3	3.2	5.9	21.3	6.6	10.0	4.5	1.04 2.63	16-14	NH 12 NH 32		1,000 (100×10)		
	2Y-3.5S	3.7	5.8											
	2Y-3.5		6.4		7.6									
	2Y-3.5L													
	2Y-4N	4.3		21.5	6.6									
	2Y-4S		7.0		7.0									
	2Y-4		8.0		7.1									
	2Y-4M		10.0	22.6	8.7									
	2Y-5	5.3	8.0	21.5	7.1									
	2Y-5M		10.0	22.6	8.7									
	2Y-5L		12.0	23.5	8.5									
	2Y-6	6.4	12.0	24.5	8.6									
	2Y-8	8.4	14.0	27.5	11.5								NA 3	NA 12
	TMEE	5.5Y-4S	4.3	8.4	25.7					7.2	14.0		6.8	2.63 6.64
5.5Y-4		9.0												
5.5Y-5		5.2	9.0		NA 10	N10 13								
5.5Y-6		6.4	12.5	32.7	12.0	NA 3	NA 13							

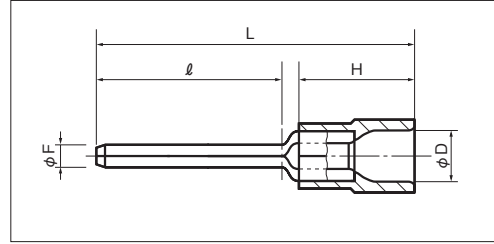
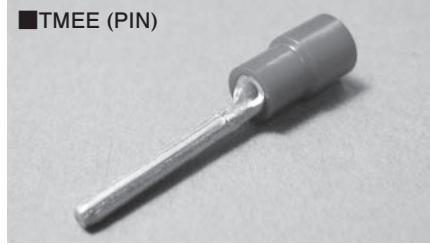
NOTE

- 1) Please refer to page 33 for proper strip length of wire
- 2) Tongue shape of 1.25Y-3S is shown right.



ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (TC TYPE)

■TMEE (PIN)



RoHS

See page 2

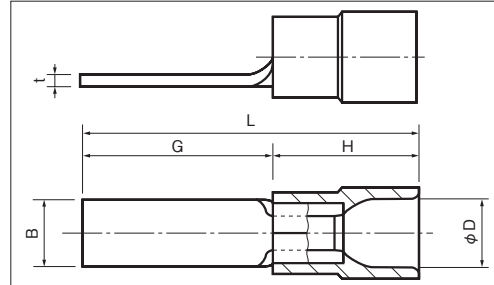
(Non stock item)

PART NUMBER		DIMENSIONS mm				WIRE RANGE		TOOL No.		COLOR	STD QTY/BOX
		ϕF	ℓ	L	H	ϕD	STRANDED mm ²	AWG	HAND TOOL No. TOOL BODY No. DIES No.		
TMEE TC-0.3-9.5		1.0	9.5	20.8	10.0	2.8	0.2-0.5	24-20	NH 5 NH 32 NH 60 NA 10 N10 10 NA 3 N3 5	Yellow	1,000 (100×10)
TMEE	TC-1.25-11	1.9	11.0	23.0	10.0	4.1	0.3 ∩ 1.65	22-16	NH 11 NH 32 NA 10 N10 11 NA 3 N3 11	Red	1,000 (100×10)
	TC-1.25-11S	1.5									
	TC-1.25-16	1.9	16.0	27.5							
	TC-1.25-16S	1.5									
	TC-1.25-20	1.9	20.0	31.5							
	TC-1.25-20S	1.5									
TMEE	TC-2-11	1.9	11.0	23.0	10.0	4.5	1.04 ∩ 2.63	16-14	NH 12 NH 32 NA 10 N10 12 NA 3 N3 12	Blue	1,000 (100×10)
	TC-2-11S	1.5									
	TC-2-16	1.9	16.0	27.5							
	TC-2-16S	1.5									
	TC-2-20	1.9	20.0	31.5							
	TC-2-20S	1.5									
TMEE TC-5.5-11		2.7	11.0	28.5	14.0	6.8	2.63 ∩ 6.64	12-10	NH 13 NA 10 N10 13 NA 3 N3 13	Yellow	100

NOTE 1) Please refer to page 33 for proper striplength of wire.

ENVIRONMENTALLY FRIENDLY INSULATED TERMINALS (BT TYPE)

■TMEE (BLADE)



RoHS

See page 2

(Non stock item)

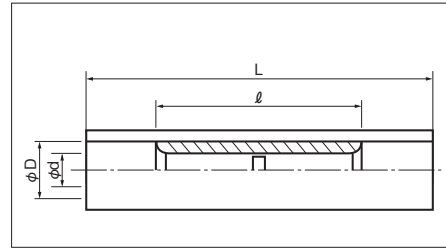
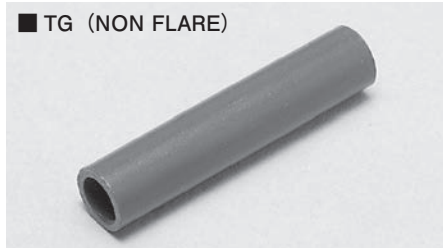
PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		COLOR	STD QTY/BOX			
							STRANDED mm ²	AWG	HAND TOOL No.						
		B	t	L	G	H	φD			TOOL BODY No.	DIES No.				
TMEE	BT 1.25-9-1	2.2	0.75	19.0	9.0	10.0	4.1	0.3 ∫ 1.65	22-16	NH 11 NH 32		Red	1,000 (100×10)		
	BT 1.25-9	2.8		19.1	9.1										
	BT 1.25-10-1	2.2		20.5	10.5										
	BT 1.25-10	3.4		20.3	10.3										
	BT 1.25-11	3.0		21.2	11.2										
	BT 1.25-14			24.6	14.6										
	BT 1.25-18			2.2	28.5									18.5	
TMEE	BT 2-9-1	2.2	0.85	19.0	9.0	10.0	4.5	1.04 ∫ 2.63	16-14	NH 12 NH 32	NA 10 NA 3	N10 12 N3 12	Blue	1,000 (100×10)	
	BT 2-9	2.8		19.1	9.1										
	BT 2-13	4.6		23.0	13.0										
	BT 2-18	2.2		28.5	18.5										
TMEE	BT 5.5-10	2.8	0.95	24.0	10.0	14.0	6.8	2.63 ∫ 6.64	12-10	NH 13		NA 10 NA 3	N10 13 N3 13	Yellow	100
	BT 5.5-13	4.5		27.0	13.0										
	BT 5.5-18			32.0	18.0										

NOTE 1) Please refer to page 33 for proper striplength of wire.

INSULATED BUTT CONNECTORS (B TYPE)

SEAMLESS BUTT

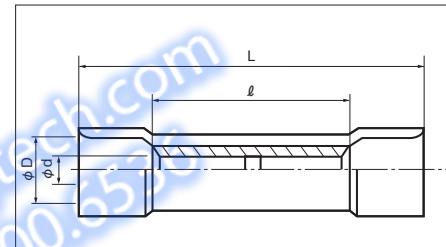
■ TG (NON FLARE)



TGV : Vinyl
TGN : Nylon

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.		
							TOOL BODY No.	DIES No.	
TGV B-0.5	1.4	2.6	24.0	11.5	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 NH 60 N10 10 N3 5	1,000 (100×10)
TGV TGN B-1.25 ◇	1.8	3.2	25.5	15.0	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22~16 N(NYLON) 20~16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	1,000 (100×10)
TGV TGN B-2 ◇	2.3	3.9	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	
TGV TGN B-5.5 ◇	3.5	5.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	500 (100×5)

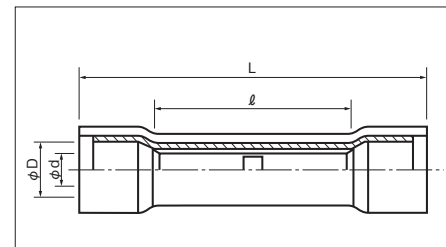
■ TM (FLARED)



TMV : Vinyl
TMN : Nylon

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.		
							TOOL BODY No.	DIES No.	
TMV B-0.5 ◇	1.4	2.9	24.0	11.5	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 NH 60 N10 10 N3 5	1,000 (100×10)
TMV TMN B-1.25 ◇	1.8	3.8	25.5	15.0	V(VINYL) 0.3~1.65 N(NYLON) 0.5~1.65	V(VINYL) 22~16 N(NYLON) 20~16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	1,000 (100×10)
TMV TMN B-2 ◇	2.3	4.5	25.5	15.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	
TMV TMN B-5.5 ◇	3.5	6.4	27.5	15.0	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	500 (100×5)

■ TMD (with extra copper sleeve)



Non stock item
TMDV : Vinyl

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.		
							TOOL BODY No.	DIES No.	
TMDVB-1.25 ◇	1.7	3.6	25.5	15.0	0.3~1.65	22-16	NH 11 NH 32	1,000 (100×10)	
TMDVB-2 ◇	2.3	4.3	25.5	15.0	1.04~2.63	16-14	NH 12 NH 32		
TMDVB-5.5 ◇	3.5	6.0	27.5	15.0	2.63~6.64	12-10	NH 13	500 (100×5)	

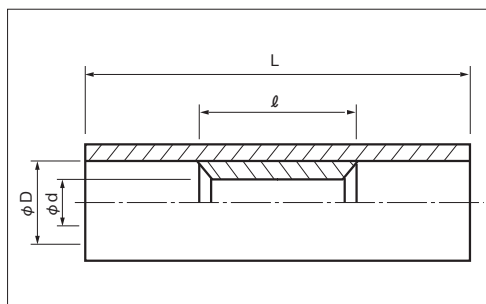
NOTE 1) ◇ : CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 33 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

3) Transparent and colored insulators are available for TGV B and TMV B (Vinyl).

INSULATED PARALLEL CONNECTORS (P TYPE)

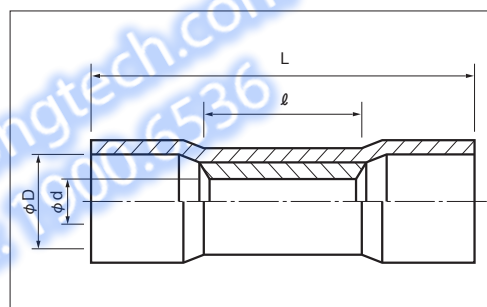
■ TG (NON FLARE)



TGV : Vinyl

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
	φd	φD	L	ℓ	STRANDED mm ²	AWG	HAND TOOL No.		
							TOOL BODY No.	DIES No.	
TGV P-1.25 	1.8	3.2	19.0	8.0	0.3~1.65	22-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	1,000 (100×10)
TGV P-2 	2.3	3.9	19.0	8.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	1,000 (100×10)
TGV P-5.5 	3.5	5.4	21.5	8.5	2.63~6.64	12-10	NA 10 NA 3	NH-13 N10 13 N3 13	1,000 (100×10)

■ TM (FLARED)



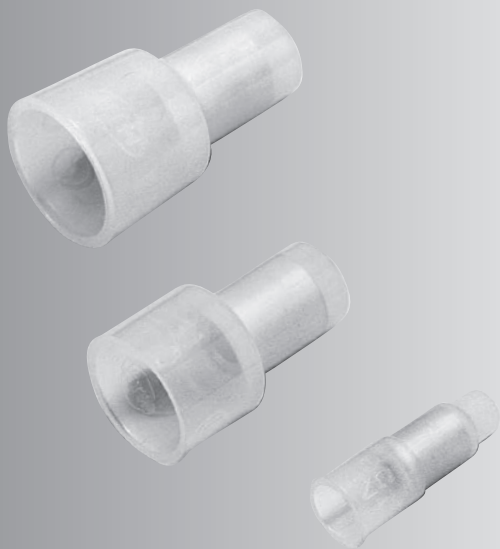
TMV : Vinyl

PART NUMBER		DIMENSIONS mm				WIRE RANGE		TOOL No.		STD QTY/BOX
						STRANDED mm ²	AWG	HAND TOOL No.		
		TOOL BODY No.	DIES No.							
TMV P-0.5	◇	1.4	2.9	19.0	8.0	0.3~0.75	22-18	NA 10 NA 3	NH 5 NH 32 NH 60 N10 10 N3 5	1,000 (100×10)
TMV P-1.25	◇	1.8	3.8	19.0	8.0	0.3~1.65	22-16	NA 10 NA 3	NH 11 NH 32 N10 11 N3 11	1,000 (100×10)
TMV P-2	◇	2.3	4.5	19.0	8.0	1.04~2.63	16-14	NA 10 NA 3	NH 12 NH 32 N10 12 N3 12	1,000 (100×10)
TMV P-5.5	◇	3.5	6.4	21.5	8.5	2.63~6.64	12-10	NA 10 NA 3	NH 13 N10 13 N3 13	1,000 (100×10)

NOTE 1) ◇ : CSA

2) Transparent insulator is also available for TGVP and TMVP(Vinyl).

CLOSED END CONNECTORS



SPECIFICATION

- **MATERIAL** : Oxygen free copper tube.
(electro-tin-plated)
INSULATOR : NYLON
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : EC1-1, CE-1, 7A
EC2-2, EC2-3, CE-2, 12A
EC3-1, CE-5, 17A
CE-8 23A
- **TEMPERATURE RANGE** : -40℃ ~ +105℃
- **FLAME RETARDANCE** : UL94V2 (Available UL94V0 upon your request)

NOTE

Use for internal wiring of home appliances.

UL/CSA

Use with listed wire combinations.

STANDARDS

- Japanese Industrial Standards JIS C2807
- UL486C (File No. E44245)
- CSA C22.2 No.188(File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.
- Use as soon as possible after opening a bag.
- Keep unused parts in closed container.

APPLICABLE WIRE

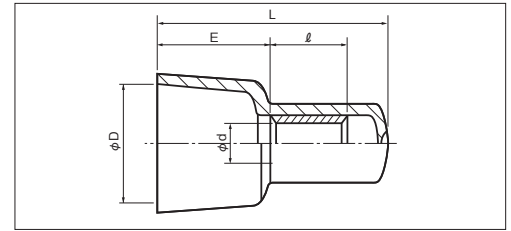
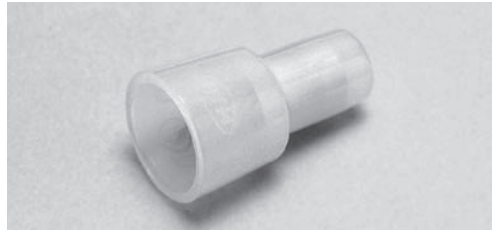
Wire range and performance ratings comply with JIS standards wire(IV, KIV, VSF)

As per JIS C 2807:2003;-

1. Available for wire with max. strand dia. 1.0mm
2. When multiple wires with different dia. are crimped and 0.5mm a bigger dia. wire are in, the smallest wire dia. must be more than the 1/2 of the big wire.

CLOSED END CONNECTORS (CE TYPE)

JIS C 2807



PART NUMBER		DIMENSIONS mm					WIRE RANGE		TOOL No.		INS	COLOR	STD QTY/BOX
		φd	φD	L	ℓ	E	mm ²	AWG	Hand	Pneumatic			
CE 1	●	2.4	6.5	18.0	6.2	8.8	0.5~1.75	22-16	NH 37 NH 63 (For CE-2)	See page 127 For the die part number to use with NA10 or NA 3.	Nylon	Milky White	1,000 (100×10)
CE 2	●	3.0	8.0	21.0	7.3	9.6	1.0~3.0	16-14					500 (100×5)
CE 5	●	3.9	10.5	28.0	7.2	10.8	2.5~6.0	12-10					
CE 8	●	4.8	12.0	24.5	8.2	11.9	4.0~9.0	8	NH 36B				

NOTE 1) ● : JIS · UL · CSA

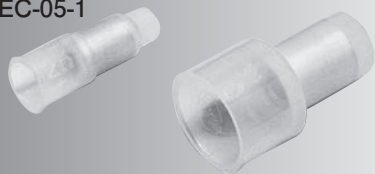
2) For UL/CSA, see tool selection. (Page 127)

WIRE COMBINATIONS CHART(UL/CSA)

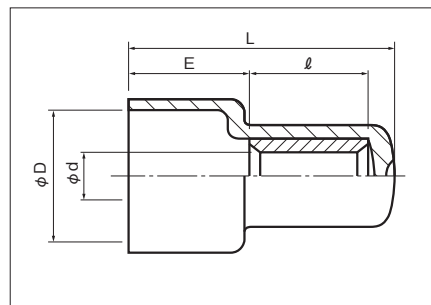
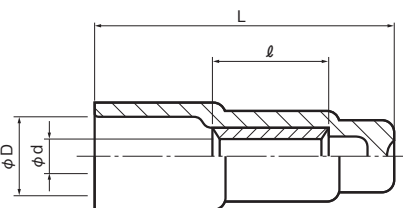
PART NUMBER	WIRE RANGE mm ²	WIRE A mm ² (AWG)		WIRE B mm ² (AWG)					
				0.3(22)	0.5(20)	0.75(18)	1.25(16)	2.0(14)	3.5(12)
CE 1	0.5~1.75	0.3(22)	1	1~3	1~2	1	1	—	—
			2	0~2	1~2	1	—	—	—
			3	0~1	1	1	—	—	—
		0.5(20)	1	1~3	1~2	1	1	—	—
			2	1~2	0~1	—	—	—	—
		0.75(18)	1	1~2	1	1	—	—	—
CE 2	1.0~3.0	0.3(22)	1	3~7	2~4	1~2	1~2	1	—
			2	2~6	1~3	1~2	1	1	—
			3	1~5	1~3	1~2	1	1	—
		0.5(20)	1	2~6	1~4	1~2	1~2	1	—
			2	1~5	0~3	1~2	1	1	—
			3	1~4	0~2	1~2	1	—	—
		0.75(18)	1	1~5	1~3	1~2	1	1	—
			2	1~4	1~2	0~1	1	—	—
		1.25(16)	3	1~2	1	0	—	—	—
			1	1~4	1~2	1~2	1	—	—
CE 5	2.5~6.0	0.3(22)	1	7~9	5~9	3~6	2~3	2	1
			2	6~8	4~8	3~6	2~3	1	1
			3	5~7	4~7	3~5	2	1	1
		0.5(20)	1	7~8	4~8	3~5	2~3	1~2	1
			2	5~7	3~7	2~4	1~2	1~2	1
			3	3~5	2~6	2~3	1~2	1~2	1
		0.75(18)	1	6~8	4~7	3~5	2~3	1~2	1
			2	4~6	1~5	2~4	1~2	1~2	1
			3	1~5	1~3	1~3	1~2	1	—
		1.25(16)	1	5~8	3~4	2~4	1~2	1~2	1
			2	1~6	1~3	1~2	0~1	1	—
			3	1~5	1~2	1~2	0	—	—
		2.0(14)	1	2~7	1~6	1~4	1~2	1~2	1
			3	1~6	1~4	1~2	1	—	—
CE 8	4.0~9.0	0.5(20)	1	—	7~12	5~8	3~4	2~3	1~2
			2	—	6~11	4~7	2~4	2~3	1~2
			3	—	5~10	4~7	2~4	2	1
			4	—	4~9	3~6	1~3	1~2	1
			5	—	3~8	2~5	1~3	1~2	1
			6	—	2~7	2~4	1~2	1	1
		0.75(18)	1	—	7~11	5~8	3~4	2~3	1~2
			2	—	5~10	4~7	2~4	2	1~2
			3	—	4~9	3~6	2~3	1~2	1
			4	—	2~8	2~5	1~2	1~2	1
			5	—	1~6	1~4	1~2	1	—
			1	—	7~11	4~8	3~4	2	1
		1.25(16)	2	—	5~10	2~6	2~3	1~2	1
			3	—	1~7	1~4	1~2	1~2	1
			4	—	1~6	1~3	0~1	1~2	1
			1	—	7~10	3~7	2~4	1~2	1
		2.0(14)	2	—	1~8	1~4	1~2	0~1	1
			3	—	1~5	1~2	1~2	0	—
		3.5(12)	1	—	1~8	1~5	1~2	1	1
			2	—	1~2	1~2	1	0	—
		5.5(10)	1	—	1~5	1~4	1~3	1	—

CLOSED END CONNECTORS (EC TYPE)

EC-05-1



EC 05-1



RoHS

See page 2

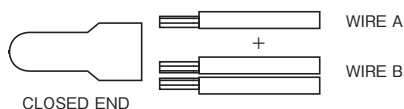
PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.			INS	COLOR	STD QTY/BOX		
	φd	φD	L	ℓ	E	mm²	AWG	Hand		Pneumatic					
EC 05-1	1.6	3.5	13.0	5.0	5.1	0.13~0.9	26-18	NH 5		NA 3	N3 5	Nylon	Milky White	2,000 (1,000×2)	
EC 1-1	2.2	6.2	15.2	7.8	5.7	0.5~1.65	22-16	NH 37 NH-63 (For EC2-2 EC2-3)		NH 36B				See page 127 For the die part number to use with NA10 or NA 3.	1,000 (100×10)
EC 2-2 ○		7.9	16.5	8.0	7.0	1.0~2.63	16-14								
EC 2-3 ○	3.0	8.0	23.0	7.3	9.6	1.0~3.0									
EC 3-1 ○	3.5	9.4	19.0	8.6	8.1	2.63~6.64	12-10								

NOTE 1) ○ : For UL/CSA, see tool selection. (Page 127)

WIRE COMBINATIONS CHART(UL/CSA)

PART NUMBER	WIRE COMBINATION mm ²	WIRE A		WIRE B mm ² (AWG)				
		mm ² (AWG)	PCS	0.5 (20)	0.75 (18)	1.25 (16)	2.0 (14)	3.5 (12)
EC 2-2	1.0~2.63	0.5 (20)	1	1~3	1~2	1	—	—
		0.75 (18)		1~3	1	1	—	—
		1.25 (16)		1~2	1	1	—	—
		0.5 (20)	2	0~2	1	1	—	—
EC 2-3	1.0~3.0	0.5 (20)	1	1~3	1~3	1~2	1	—
		0.75 (18)		1~3	1~2	1~2	1	—
		1.25 (16)		1~3	1~2	1	1	—
		2.0 (14)		1~2	1	1	—	—
		0.5 (20)	2	0~2	1~2	1	—	—
EC 3-1	2.63~6.64	0.5 (20)	1	5	3~5	2~3	2	1
		0.75 (18)		4~5	3~4	2~3	1~2	1
		1.25 (16)		3~4	2~4	1~2	1	1
		2.0 (14)		2~4	1~3	1~2	1	1
		3.5 (12)		1~3	1~2	1	—	—
		0.5 (20)	2	4	3~4	2	1	1
		0.75 (18)		3~4	2~3	1~2	1	1
		1.25 (16)		1~3	1~2	0~1	1	—

How to use this chart.



- First, choose your wire size from column A and also choose the number of wires that the wire size allows from Column A.
- Second, choose a wire size from column B located at the top of the chart.

- Next, using the wire size and number of wires from column A and wire size from column B, find the cross section of the chart to find the number of wire in column B.
- Finally, add the total number of wires from column A and the total number of wires from column B. This number is the total number of wire combinations allowable for wire size A and wire size B.

HIGH TEMP CLOSED END CONNECTOR

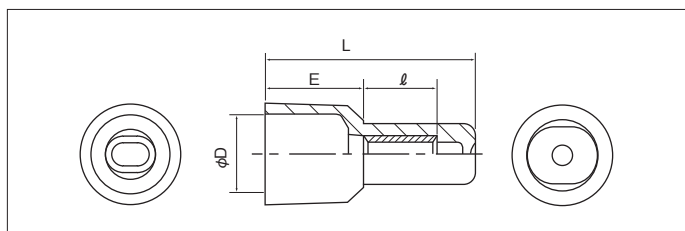


SPECIFICATION

When a fire breaks out, the circuit for the fire alarm must withstand the enormous heat to activate the alarm. These closed end connectors surpass the temperature rise test to 380 °C in 15 minutes.

FEATURE

- RATED CURRENT SQ CE-1HP : 3A
SQ CE-2HP/5HP : 5A
- RATED VOLTAGE 300V
- INSTALLATION TEMP : 0 ~ 40°C
- RATED TEMPERATURE : -40 ~ 75°C



RoHS

See page 2

PART NUMBER	DIMENSIONS mm				TOOL No.	MATERIAL OF INSULATOR	COLOR	STD QTY/BOX
	φ D	L	l	E				
SQ CE - 1HP	8.1	18.1	6.5	8.5	NH 40	CROSS LINKED POLYETHYLENE	RED TRANSLUCENT	1,000 (100×10)
SQ CE - 2HP	9.6	20.0	7.0	9.5				500(100×5)
SQ CE - 5HP	12.3	22.0	8.1	10.0				

EXAMPLE OF WIRE COMBINATION

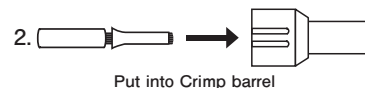
PART NUMBER	SOLID + SOLID WIRE				SOLID + STRANDED WIRE (USE END SLEEVE FOR STRANDED WIRE)	TOOL No.	
	φ 0.9mm	φ 1.0mm	φ 1.2mm	φ 1.6mm		DIE ID	
SQ CE - 1HP	2pcs	2pcs	—	—	—	1HP	NH 40
	φ 0.9mm × 1pc + φ 1.0mm × 1pc						
SQ CE - 2HP	2pcs	—	2pcs	—	φ 0.9mm × 1pc + 0.5mm ² × 1pc φ 0.9mm × 1pc + 0.75mm ² × 1pc φ 1.0mm × 1pc + 0.5mm ² × 1pc φ 1.0mm × 1pc + 0.75mm ² × 1pc	2HP	
	φ 0.9mm × 1pc + φ 1.2mm × 1pc						
SQ CE - 5HP	3~4pcs	—	3~4pcs	2pcs	φ 0.9mm × 1pc + 1.25mm ² × 1pc φ 1.0mm × 1pc + 1.25mm ² × 1pc φ 1.2mm × 1pc + 0.5mm ² × 1~2pcs φ 1.2mm × 1pc + 0.75mm ² × 1~2pcs φ 1.2mm × 1pc + 1.25mm ² × 1pc φ 1.2mm × 2pcs + 0.5mm ² × 1pc	5HP	
	φ 0.9mm × 1pc + φ 1.2mm × 2pcs φ 0.9mm × 2pcs + φ 1.2mm × 1pc						

Use applicable end sleeve from the chart

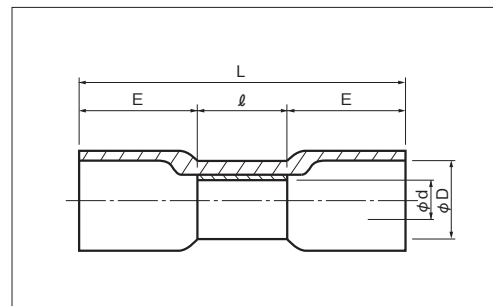
STRANDED WIRE SIZE	0.5mm ²	0.75mm ²	1.25mm ²	
PART No. OF END SLEEVE	E-0.5	E-0.75	E-1.25	
DIMENSIONS (mm)	φ d × φ D × L 1.0 × 1.3 × 10	φ d × φ D × L 1.2 × 1.5 × 10	φ d × φ D × L 1.6 × 1.8 × 10	

NOTE

- 1) How to use the end sleeve with the stranded wire.
Stranded wire must have the end sleeve before crimping.



INTERMEDIATE CONNECTORS (MP TYPE)



RoHS

See page 2

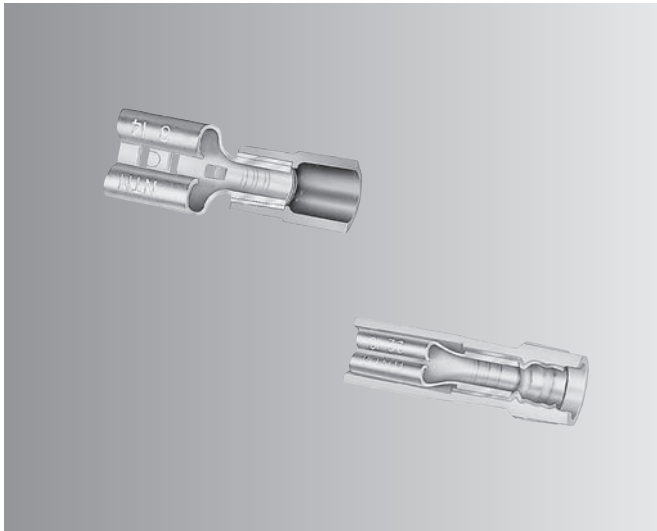
PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.		INS	COLOR	STD QTY/BOX
	ϕd	ϕD	L	ℓ	E	mm²	AWG	HAND TOOL No.				
								TOOL BODY No.	DIES No.			
MP 2-4	2.8	6.0	25.0	7.0	9.0	1.0~3.0	16-14	NH 37		Nylon	Translucent	1,000
								NA 3	N3 14			

WIRE COMBINATIONS CHART

* There is a same combination.

PART NUMBER	WIRE COMBINATION mm ²	WIRE A		WIRE B mm ² (AWG)			
		mm ² (AWG)	PCS	0.5 (20)	0.75 (18)	1.25 (16)	2.0 (14)
MP 2-4	1.0~3.0	0.5 (20)	1	1~3	1~2	1	1
		0.75 (18)		1~3	1~2	1	1
		1.25 (16)		1~2	1	1	—
		2.0 (14)		1	1	—	—
		0.5 (20)	2	*	1	—	—

QUICK-DISCONNECTS



SPECIFICATION

■ **MATERIAL** : Terminal : Brass (Electro-tin-plated)
Sleeve : Oxygen free copper tube (electro-tin-plated)

Insulator : Vinyl/Nylon

■ **RATED VOLTAGE** : 300V

■ **RATED CURRENT** : See following table

TAB WIDTH	WIRE SIZE mm ²			
	0.75	1.25	2	5.5
2.8mm (.110)	8A	12A	—	—
4.8mm (.187)	10A	15A	20A	—
6.3mm (.250)	10A	15A	20A	20A

■ **TEMPERATURE RANGE** : - 40°C ~ + 75°C Vinyl
- 40°C ~ + 105°C Nylon

■ **FLAME RETARDANCE** : UL94V0 Vinyl
UL94V2 Nylon

STANDARDS

- UL310 (File No. E78965)
- CSA C22.2 No.153 (File No. LR-28418)



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended tools.
- Use with specified wire range.

(NOTE) **APPLICABLE WIRE**

UL/CSA

INSULATOR/COLOR

WIRE STRIP LENGTH

NYLON PRODUCTS

Wire range and performance ratings comply with JIS standard wire (IV, KIV, VSF)

To have UL/CSA listed or certified, use proper Nichifu crimp tool.
To find correct tool, see our tool selection page 127

STANDARD COLOR			
	TMED1.25	TMED2	TMED5.5
VINYL	Red	Blue	Yellow
NYLON	Red translucent	Blue translucent	Yellow translucent

● A strip length should be approx. 2mm longer than crimp barrel length. (Conductor should come out 1mm from crimp barrel.)

● Due to greater water absorption rate than vinyl, keep unused parts in closed container.

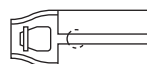
■ STRUCTURE OF OUR PART NUMBER

INSULATOR SHAPE		INSULATOR MATERIAL	TAB WIDTH	TAB THICKNESS	NOMINAL SIZE	TERMINAL SHAPE
TMED	SEE NEXT PAGE	V : VINYL	28 : 2.8mm	0.5 : 0.5mm	09 : 1.25mm ²	F
TMDE		N : NYLON	48 : 4.8mm	0.8 : 0.8mm	20 : 2mm ²	M
			63 : 6.3mm		55 : 5.5mm ²	FA MA

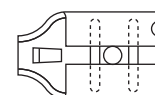
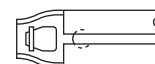
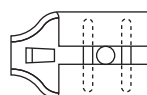
■ MATING TAB IDENTIFICATION

To identify the tab thickness of 0.8mm, the female disconnect has a notch as shown in the illustration on the right

110 (28) Female disconnect



187 (48) Female disconnect



Notch

Mating tab thickness 0.5mm

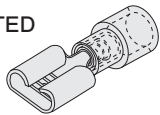
Mating tab thickness 0.8mm

QUICK-DISCONNECTS

SHAPE OF MATING AREA

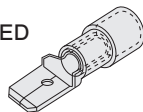
F

INSULATED
FEMALE



M

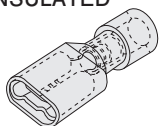
INSULATED
MALE



Partial insulation.

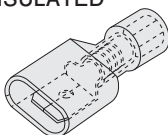
FA

FULLY INSULATED
FEMALE



MA

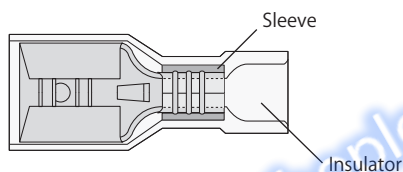
FULLY INSULATED
MALE



Full insulation.

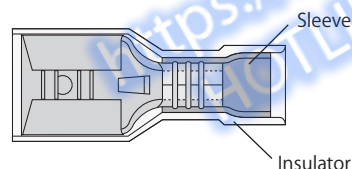
SHAPE OF WIRE ENTRANCE

■ TMED TYPE



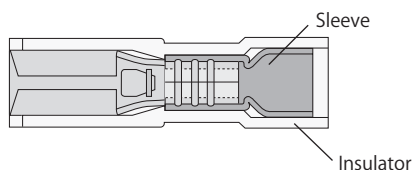
Copper sleeve on terminal barrel only.
Easy Entry

■ TMD TYPE



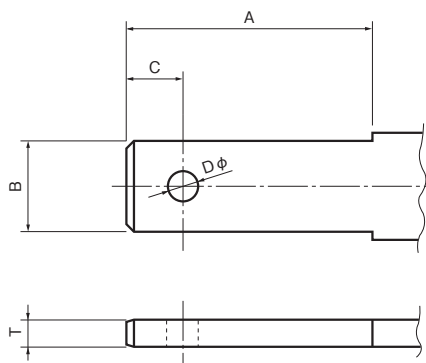
Double grip disconnects.
Vibration resistance.

■ TMDE TYPE

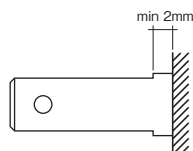


Nylon, easy entry, double grip disconnects,
Vibration resistance.

■ TAB dimension to be mated. Following table shows standard mating tab dimensions



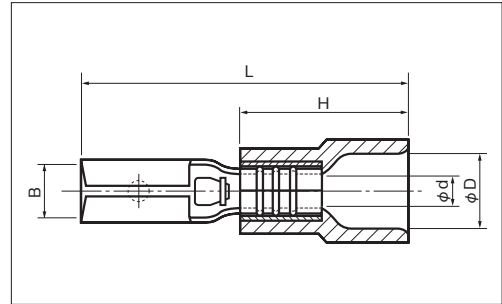
SERIES	DIMENSIONS mm				
	A	B	C	ϕD	T
2.8 (110)	7.0	2.8 ± 0.1	5.45 ± 0.15	1.2 ± 0.1	0.5 or 0.8
4.8 (187)	6.2	4.75 ± 0.1	3.0 ± 0.2	1.4 ± 0.1	0.5 or 0.8
6.3 (250)	7.8	6.3 ± 0.1	3.3 ± 0.2	1.8 ± 0.1	0.8



Mating tab dimensions for Fully Insulated Disconnect.
See illustration to the left.

QUICK-DISCONNECTS

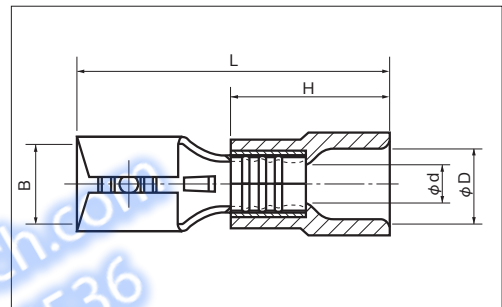
■ 110 SERIES



TMEDV : Vinyl
TMEDN : Nylon

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm ²	AWG	HAND TOOL No.		
									TOOL BODY No.	DIES No.	
TMEDV 280509-F ○	3.2	19.5	1.8	4.1	10.0	0.5	0.75~1.25	18-16	NH 11 NH 32	NA 10 NA 3 N10 11 N3 11	1,000 (100×10)
TMEDN 280809-F ○						0.8					

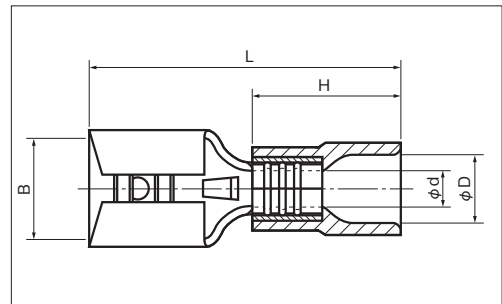
■ 187 SERIES



TMEDV : Vinyl
TMEDN : Nylon

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm²	AWG	HAND TOOL No.		
									TOOL BODY No.	DIES No.	
TMEDV 480509-F ○ TMEDN 480809-F ○	5.0	19.5	1.8	4.1	10.0	0.5 0.8	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	1,000 (100×10)
TMEDV 480520-F ○ TMEDN 480820-F ○	5.0	19.5	2.4	4.5	10.0	0.5 0.8	2.0	14	NH 12 NA 10 NA 3	NH 32 N10 12 N3 12	1,000 (100×10)

■ 250 SERIES



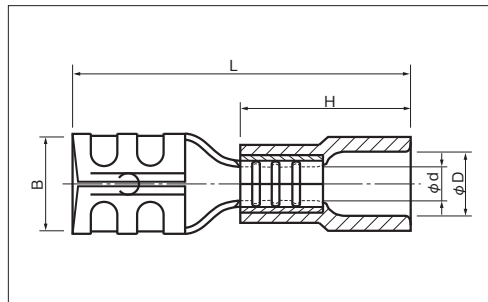
TMEDV : Vinyl
TMEDN : Nylon

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX	
							STRANDED mm²	AWG	HAND TOOL No.			
									TOOL BODY No.	DIES No.		
TMEDV 630809-F ○ TMEDN 630809-F ○	6.8	21.0	1.7	4.1	10.0	0.8	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	500 (100×5)	
TMEDV 630820-F ○ TMEDN 630820-F ○	6.8	21.0	2.3	4.5	10.0	0.8	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12		
TMEDV 630855-F ○ TMEDN 630855-F ○	6.8	25.0	3.5	6.8	14.0	0.8	3.5~5.5	12-10	NH 13 NA 10 NA 3			N10 13 N3 13

- NOTE 1) ○ : UL/CSA INSULATOR MATERIAL [V]:VINYL [N]:NYLON
2) Refer to page 57 for UL/CSA, proper strip length of wire and Nylon insulated products.
3) TMD & TMDEN Type are also available, see page 58.

QUICK-DISCONNECTS

■ 187 SERIES



RoHS

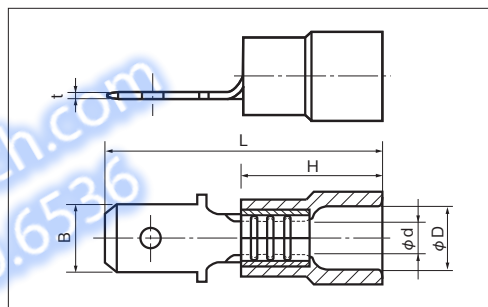
See page 2

TMEDV : Vniyl

TMEDN : Nylon(Non stock item)

PART NUMBER	DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	L	φd	φD	H		STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
TMEDV 480509-F03 TMEDN	5.1	19.5	1.8	4.1	10.0	0.5	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	1,000 (100×10)
TMEDV 480520-F03 TMEDN	5.1	19.5	2.4	4.5	10.0	0.5	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	1,000 (100×10)

■ 187 SERIES



RoHS

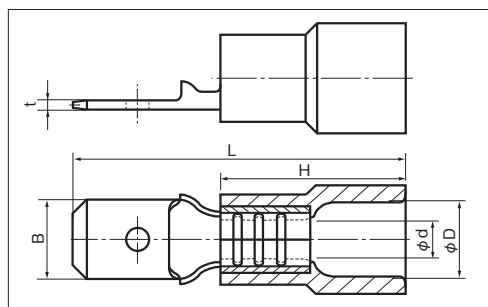
See page 2

TMEDV : Vinyl

TMEDN : Nylon

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX
	B	L	t	φd	φD	H	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
TMEDV 480520-M ○ TMEDN	4.8	19.5	0.5	2.2	4.5	10.0	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	1,000 (100×10)

■ 250 SERIES



RoHS

See page 2

RoHS

Yellow Nylon
See page 2

TMEDV : Vinyl

TMEDN : Nylon

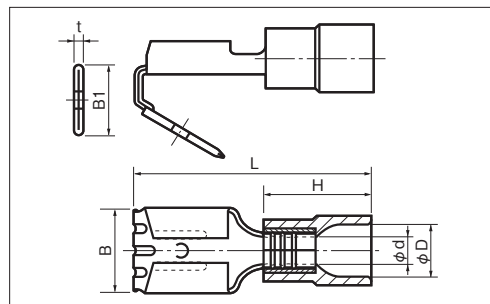
PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.		STD QTY/BOX
	B	L	t	φd	φD	H	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.	
TMEDV 630809-M ○ TMEDN	6.35	21.0	0.8	1.85	4.1	10.0	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	1,000 (100×10)
TMEDV 630820-M ○ TMEDN	6.35	21.0	0.8	2.55	4.5	10.0	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	1,000 (100×10)
TMEDV 630855-M ○ TMEDN 630855-M ○	6.35	25.0	0.8	3.65	6.8	14.0	3.5~5.5 5.5	12-10 10	NH 13 NA 10 NA 3	N10 13 N3 13	500 (100×5)

NOTE 1) ○ : UL/CSA INSULATOR MATERIAL [V]:VINYL [N]:NYLON

2) Refer to page 57 for UL/CSA, proper strip length of wire and Nylon insulated products.

3) TMD & TMDEN Type are also available, see page 58.

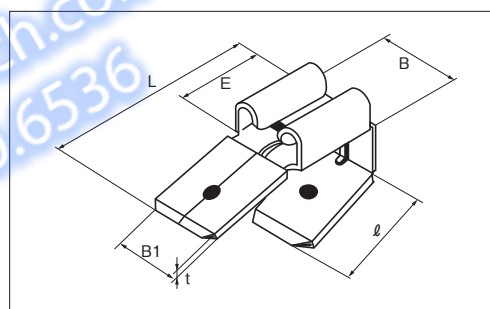
QUICK-DISCONNECTS



TMEDV : Vinyl
TMEDN : Nylon

PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		STD QTY/BOX
	B	B1	L	φd	φD	H	t	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.	
TMEDV TMEDN 630809-V	6.9	6.35	22.0	1.85	4.1	10.0	0.8	0.75~1.25	18-16	NH 11 NA 10	NH 32 N3 11	1,000 (100×10)
TMEDV TMEDN 630820-V	6.9	6.35	22.0	2.55	4.5	10.0	0.8	2.0	14	NH 12 NA 10	NH 32 N3 12	1,000 (100×10)

- NOTE 1) Refer to page 57 for proper strip length of wire and Nylon insulated products
 2) TMD & TMDEN Type are also available , see page 58.
 3) INSULATOR MATERIAL ☒ :VINYL ☐ :NYLON

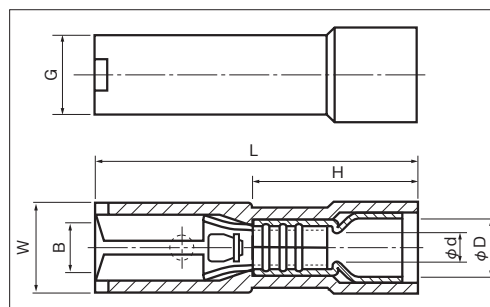


PART NUMBER	DIMENSIONS mm						TOOL No.		STD QTY/BOX
	B	B1	L	t	φ	E	TOOL BODY No.	DIES No.	
63V	6.9	6.35	18.3	0.8	9.0	7.5	—	—	1,000

QUICK-DISCONNECTS

■ FULLY INSULATED FEMALE DISCONNECTS

■ 110 SERIES



RoHS

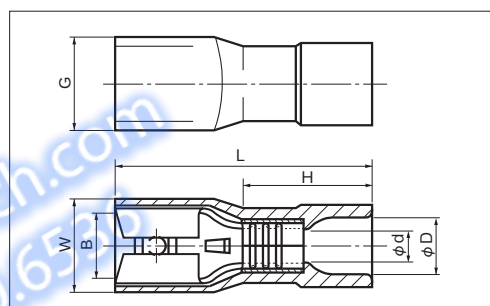
See page 2

TMDEN : Nylon

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
TMDEN 280509-FA 280809-FA	3.2	5.5	19.5	1.9	3.4	4.8	10.0	0.5	0.75~1.25	18-16	NH 11 NH 32		1,000 (100×10)
								NA 10 NA 3			N10 11 N3 11		

Made by cutting ICT.

■ 187 SERIES



RoHS

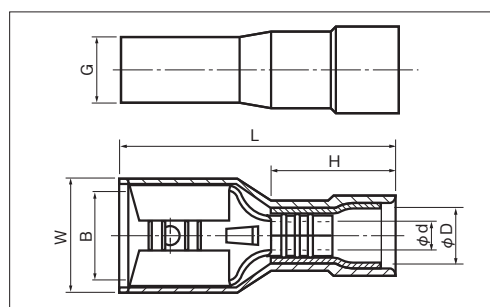
See page 2

TMEDN : Nylon

PART NUMBER		DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
		B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.		
												TOOL BODY No.	DIES No.	
TMEDN	480509-FA○	5.0	7.2	19.5	1.8	4.1	4.9	9.8	0.5	0.75~1.25	18-16	NH 11 NH 32		1,000 (100×10)
	NA 10 NA 3								N10 11 N3 11					
TMEDN	480520-FA○	5.0	7.2	19.5	2.4	4.5	5.6	9.8	0.5	2.0	14	NH 12 NH 32		1,000 (100×10)
	NA 10 NA 3								N10 12 N3 12					

Made by cutting ICT.

■ 250 SERIES



RoHS

See page 2

RoHS

Yellow Nylon
See page 2

TMDN : Nylon

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
TMDN 630809-FA △	6.8	9.0	21.0	1.7	3.2	4.9	9.5	0.8	0.75~1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	1,000 (100×10)
TMDN 630820-FA △	6.8	9.0	21.0	2.4	3.9	5.2	9.5	0.8	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	1,000 (100×10)
TMDN 630855-FA △	6.8	9.2	26.0	3.5	5.4	5.8	15.0	0.8	5.5	10	NH 13 NA 10 NA 3	N10 13 N3 13	500 (100×5)

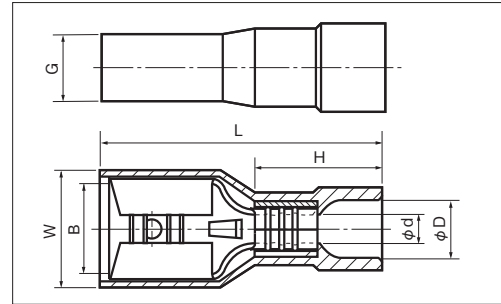
NOTE 1) ○ : UL/CSA △ : UL

2) Refer to page 57 for UL/CSA, proper strip length of wire and Nylon insulated products.

QUICK-DISCONNECTS

■ FULLY INSULATED FEMALE DISCONNECTS

■ 250 SERIES



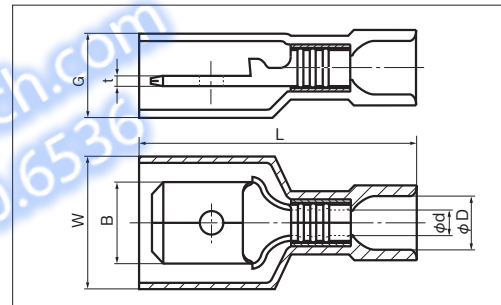
TMEDN : Nylon

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		STD QTY/BOX
	B	W	L	φd	φD	G	H		STRANDED mm ²	AWG	HAND TOOL No.		
											TOOL BODY No.	DIES No.	
TMEDN 630809-FA ○	6.8	9.0	21.0	1.7	4.1	4.9	9.5	0.8	0.75~1.25	18-16	NH 11 NA 10 NA 3	NH 32 N10 11 N3 11	1,000 (100×10)
TMEDN 630820-FA ○	6.8	9.0	21.0	2.4	4.5	5.2	9.5	0.8	2.0	14	NH 12 NA 10 NA 3	NH 32 N10 12 N3 12	1,000 (100×10)

Mate with TMEDN 630809MA and TMEDN 630820MA

■ FULLY INSULATED MALE DISCONNECTS

■ 250 SERIES



TMEDN : Nylon

PART NUMBER	DIMENSIONS mm								WIRE RANGE		TOOL No.		STD QTY/BOX
	B	W	t	L	ϕd	ϕD	G	H	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No.	
TMEDN 630809-MA ○	6.35	10.3	0.8	22.0	1.85	4.1	6.4	10.0	0.75~1.25	18-16	NH 11 NA 10 NA 3	NH 32 N10 11 N3 11	500 (100×5)
TMEDN 630820-MA ○	6.35	10.3	0.8	22.0	2.55	4.5	6.4	10.0	2.0	14	NH 12 NA 10 NA 3	NH 32 N10 12 N3 12	

It is not appropriate to mate with ICTDN 630809FA and ICTDN 630820FA

NOTE 1) ○ : UL/CSA

2) Refer to page 57 for UL/CSA, proper strip length of wire and Nylon insulated products.

BULLETS & RECEPTACLES (PC・PCE TYPE)

SPECIFICATION

■ MATERIAL : Terminal : Brass (Electro-tin-plated)
Sleeve : Oxygen free copper tube
(electro-tin-plated)

Insulator: Nylon

■ RATED VOLTAGE : 300V

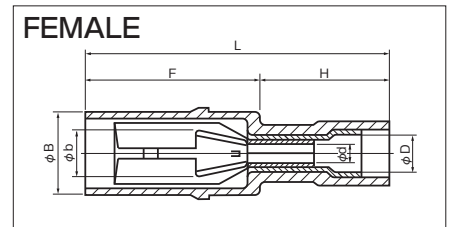
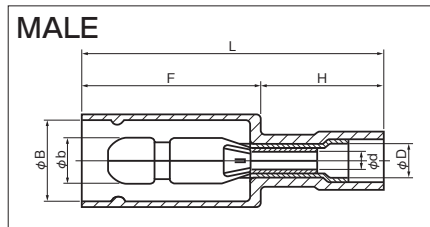
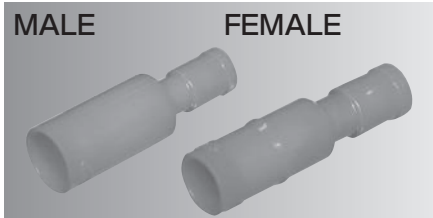
■ RATED CURRENT : See following table

Wire mm ²	0.5	0.75	1.25	2
A	10	12	15	20

■ TEMPERATURE RANGE : - 40℃ ~ + 105℃

■ FLAME RETARDANCE : UL94V2

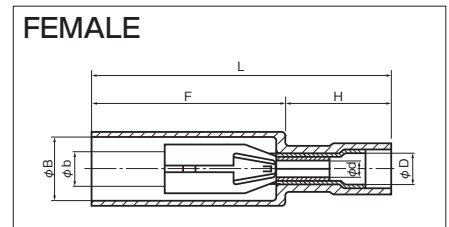
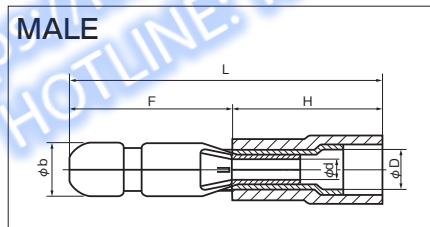
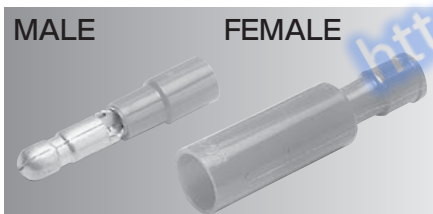
PC TYPE



PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		INS	STD QTY/BOX
	φb	φB	φd	φD	L	F	H	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.		
PC 2005-M	2.0	5.1	1.7	3.1	26.5	15.0	11.5	0.5 0.75	20-18	NH 5 NH 32 NH 60 NA 10 NA 3	N10 10 N3 5	Nylon	1,000 (100×10)
PC 2005-F	2.0	4.6			24.5	13.0							
PC 4009-M	4.0	7.4	1.8	3.2	27.7	16.5	11.2	0.75 1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	Nylon	1,000 (100×10)
PC 4009-F	3.95	6.9			26.2	15.0							
PC 4020-M	4.0	7.4	2.4	3.9	27.7	16.5	11.2	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	Nylon	1,000 (100×10)
PC 4020-F	3.95	6.9			26.2	15.0							

No insulator lock on PC2005.

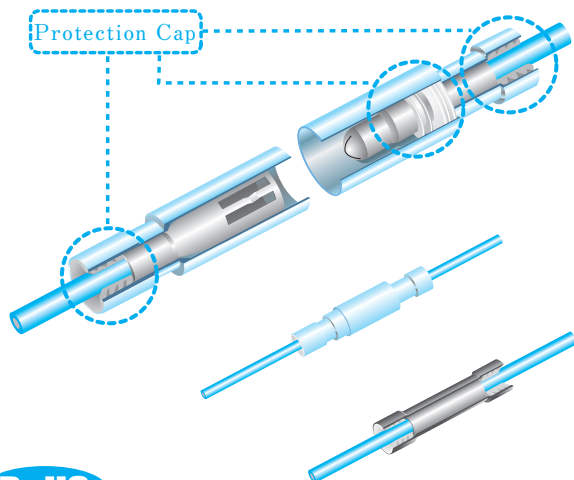
PCE TYPE



PART NUMBER	DIMENSIONS mm							WIRE RANGE		TOOL No.		INS	STD QTY/BOX
	φb	φB	φd	φD	L	F	H	STRANDED mm ²	AWG	HAND TOOL No.	TOOL BODY No. DIES No.		
PCE 4009-M	4.0	—	1.8	3.2	25.2	13.0	12.2	0.75 1.25	18-16	NH 11 NH 32 NA 10 NA 3	N10 11 N3 11	Nylon	1,000 (100×10)
PCE 4009-F	3.95	6.5			31.5	20.3	11.2						
PCE 4020-M	4.0	—	2.4	3.9	25.2	13.0	12.2	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	Nylon	500 (100×5)
PCE 4020-F	3.95	6.5			31.5	20.3	11.2						
PCE 5020-M	5.0	—	2.4	3.9	25.2	13.0	12.2	2.0	14	NH 12 NH 32 NA 10 NA 3	N10 12 N3 12	Nylon	500 (100×5)
PCE 5020-F	4.95	7.4			31.5	20.3	11.2						

INSULATED BULLETS & RECEPTACLES • BUTTS, WP-TYPE

Crimp makes IP57. No heat required.



SPECIFICATION

■ RATED VOLTAGE 300V

■ RATED CURRENT

WIRE SIZE	PC	TMNB
1.25mm ²	15A	19A
2mm ²	20A	27A

■ FLAME RETARDANCE UL94V-2

■ TEMPERATURE RANGE - 40°C ~ + 105°C

■ PROTECTION IP57 (IEC529)

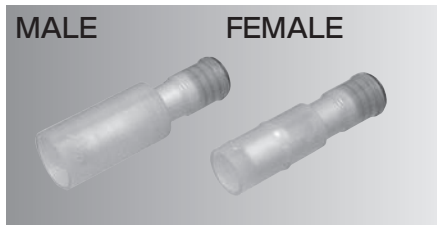
RoHS

See page 2

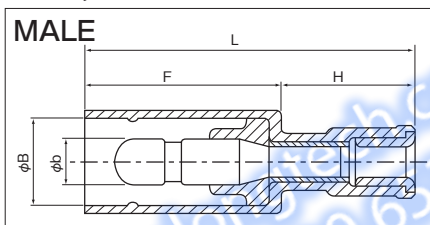
INSULATED BULLETS/RECEPTACLES, WP-TYPE

MALE

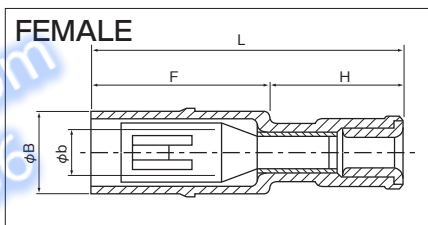
FEMALE



MALE



FEMALE

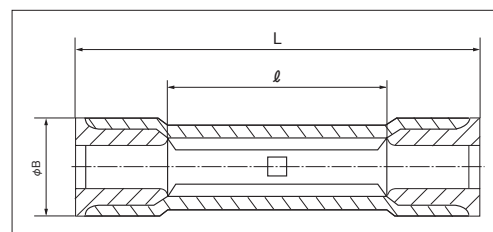


PART NUMBER	DIMENSIONS mm					WIRE RANGE			TOOL No.	INS	COLOR	STD QTY/BOX
	φb	φB	L	F	H	STRANDED mm ²	AWG	WIRE OUTSIDE DIAMETER				
PC 4009-M-WP	4.0	5.1	27.7	16.5	11.2	0.75	18-16	φ2.6	NH 64	Nylon	RED TRANSLUCENT	1,000 (100×10)
PC 4009-F-WP	3.95	6.9	26.2	15.0		1.25		φ3.2			BLUE TRANSLUCENT	
PC 4020-M-WP	4.0	7.4	27.7	16.5		2.0	14	φ3.0			RED TRANSLUCENT	
PC 4020-F-WP	3.95	6.9	26.2	15.0				φ3.6			BLUE TRANSLUCENT	

INSULATED BUTT CONNECTORS, WP-TYPE

RoHS

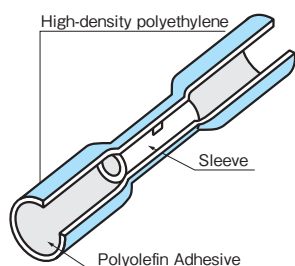
See page 2



PART NUMBER	DIMENSIONS mm			WIRE RANGE			TOOL No.	INS	COLOR	STD QTY/BOX
	L	φB	l	STRANDED mm ²	AWG	WIRE OUTSIDE DIAMETER				
TMN B-1.25-WP	26.9	φ5.4	15.0	0.5 ~ 1.25	20-16	φ2.5 ~ φ2.9	NH 64	Nylon	RED TRANSLUCENT	1,000 (100×10)
TMN B-2-WP		φ6.1		1.04 ~ 2.63	16-14	φ3.0 ~ φ3.6			BLUE TRANSLUCENT	

HEAT-SHRINKABLE RING & BUTT

B



■ CRIMP PROCESS

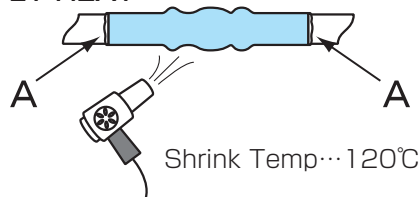
① WIRE INSERTION



② CRIMP



③ APPLY HEAT



When heated, shrink the outer polyethylene layer and melt the inner polyolefin liner of insulator.

The insulation of HEAT SHRINK RING (SR) and BUTT (SB) consists of a special double layer, high-density polyethylene and polyolefin adhesive. After crimping, the insulation is heated to both shrink the outer polyethylene layer and melt the inner polyolefin liner. This action squeezes out gas while filling all voids resulting in a sealed connection.

SPECIFICATION

RATED VOLTAGE	AC600V
RATED CURRENT	9A (1.25mm ²) , 27A (2.0mm ²) , 48A (5.5mm ²)
RATED TEMPERATURE	105°C (Max.)

■ APPLICATIONS

Automobile, Water Pump, Vessel, Home appliance (Washer, Kitchen). anti-vibration, anti-dust applications.

■ APPLIED WIRE

Most wires are acceptable except when insulated with silicon rubber, fiber glass, teflon (FET, TFE etc) and fluororubber.

■ HEATING TO SHRINK

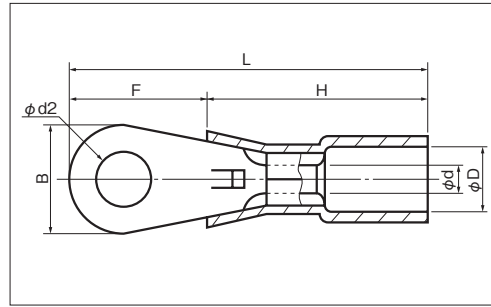
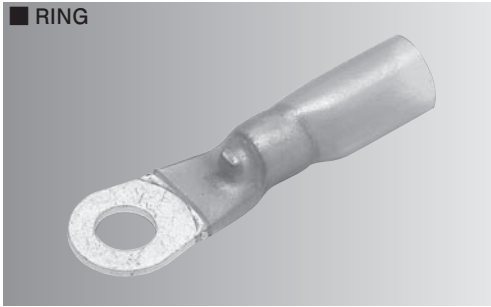
- Apply heat of 120°C on the insulator. Do not apply flame directly. Do not make excessive shrinkage, as such, by electric furnace of 140 °C , for over 5 minutes.
- Apply heat from the center of the butt moving towards the end while rotating the butt.
- Application of heat is sufficient when the inner adhesive melts and slightly out from the outer insulator. (See left figure A)

■ NOTE

- Keep out of direct sun light and hot places in order to avoid premature shrinkage.
- Do not make excessive shrinkage to avoid breakage on the insulator.

HEAT-SHRINKABLE RING & BUTT

■ RING



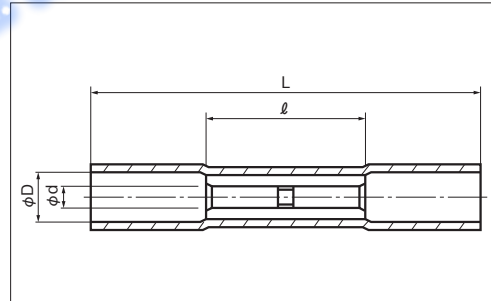
RoHS
See page 2

B

PART NUMBER	DIMENSIONS mm						WIRE RANGE		TOOL No.	COLOR	STD QTY/BOX	
	ϕd2	B	L	F	H	ϕD	ϕd	mm²				AWG
SR 1.25-3C	3.2	5.5	25.3	7.0	16.5	4.2 (MIN)	1.7	0.75 1.25	18-16	NH 82	Red Translucent	1000 (100×10)
SR 1.25-3.5C	3.7	6.6	25.8	8.0								
SR 1.25-4C	4.3	8.0	26.5	9.0								
SR 1.25-5C	5.3			10.0								
SR 2-3C	3.2	5.5	25.8	7.0	17.0	4.9 (MIN)	2.3	2.0	14	NH 82	Blue Translucent	1000 (100×10)
SR 2-3.5C	3.7	6.6	26.3	8.0								
SR 2-4C	4.3	8.5	27.3	9.0								
SR 2-5C	5.3	9.5	27.8	10.0								
SR 5.5-3C	3.2	7.0	33.5	7.0	21.5	6.4 (MIN)	3.4	5.5	10	NH 82	Yellow Translucent	1000 (100×10)
SR 5.5-3.5C	3.7			8.0								
SR 5.5-4NC	4.3			9.0								
SR 5.5-4C		11.3										
SR 5.5-5C		5.3	9.5	34.8								

NOTE 1) Dimension L · F · H shows minimum.

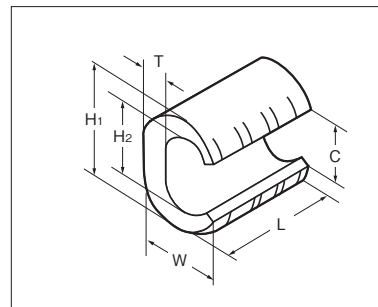
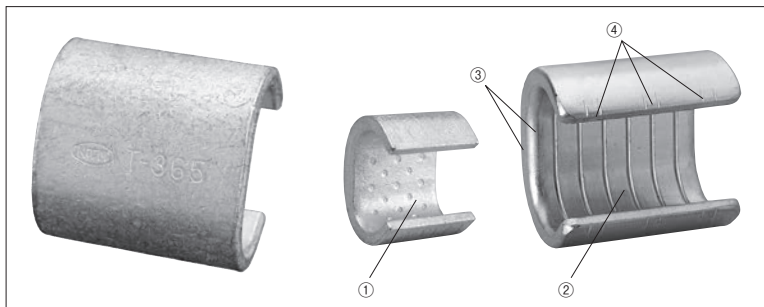
■ BUTT



RoHS
See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.		COLOR	STD QTY/BOX
	ϕd	ϕD	L	ℓ	mm ²	AWG	Hand	Pneumatic		
SB 2218	1.4	2.9 (MIN)	25	11.5	0.3 0.5	22-20	NH 82	NA 3 (N3 15)	Yellow Translucent	1000 (100×10)
SB 1816	1.7	4.2 (MIN)	37	15.0	0.75 1.25	18-16	NH 82	NA 3 (N3 16)	Red Translucent	1000 (100×10)
SB 1614	2.3	4.9 (MIN)	37	15.0	2.0	14	NH 82	NA 3 (N3 16)	Blue Translucent	1000 (100×10)
SB 1210	3.4	6.2 (MIN)	42	15.0	5.5	10	NH 82	—	Yellow Translucent	500 (100×5)

CLAMP CONNECTORS



FEATURES

- Dimpled ^① or serrated ^② to obtain high pull-out value.
- Chamfered edges ^③ designed to protect the wire.
- Stamped lines ^④ show proper crimp dies position.

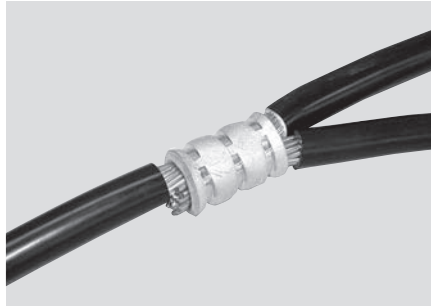
RoHS

See page 2

PART NUMBER	DIMENSIONS mm						NUMBER OF CRIMP	COMBINED WIRE RANGE (mm ²)	TOOL No.		STD QTY/BOX			
	C	H2	H1	L	W	T			PUMP	HEAD				
T 7	3	5.2	7.6	10.0	5.2	1.2	2	3.5~7	NH 25A		100			
T 11	5.0	7.3	10.3	12.0	6.2	1.6		7.5~11						
T 16		7.8	11.5	13.0	7.6	2.0		11.5~16						
T 20	5.1	8.6	12.8	13.0	9.7	2.9	1	14~20	NOP 120 (Hydraulic tool)					
T 26	6.9	10.2	14.7	16.0	11.4	3.2		21~26						
T 44	8.4	13.4	19.2	19.8	13.8	4.0		27~44						
T 60	9.7	15.8	21.0	21.8	15.0	5.0	2	45~60						
T 76	10.2	17.3	24.4		17.6			61~76						
T 98	13.2	20.0	27.5	25.0	19.2			77~98						
T 122	14.6	22.1	29.5	26.0	21.5	5.5		99~122		NP 520	60			
T 154	15.5	24.6	33.2	27.6	23.4	6.0	3	123~154	NOM 3000	NOH 360	30			
T 190	20.3	28.8	37.5	35.0	25.7			155~190						
T 240	20.2	31.0	41.0	40.0	29.0	7.0		191~240			20			
T 288	23.2	35.7	45.6	45.0	32.0			241~288						
T 365	23.3	37.0	47.5	50.0	35.0			289~365						
T 450	28.0	43.0	57.0	60.0	41.0	10.0		366~450	NOM 3000	NP 520	5			
T 560	31.0	46.0	62.0	65.0	45.0	11.0		451~560						
T 700	34.0	51.0	68.0	70.0	49.5	12.0		561~700						

* See next page for Wire combinations.

CLAMP CONNECTORS



■ WIRE COMBINATIONS CHART (IV)

BRANCH WIRE MAIN WIRE mm ²	2 (1.6 φ)	3.5 (2.0 φ)	5.5	8	14	22	38	60	100	150	200	250	325
3.5 (2.0 φ)	7	7											
5.5	11	11	11										
8		16	16	16・20									
14	16・20	20	20	26	44								
22	26	26	44	44		44							
38	※ 44	※ 44		60	60	60	76						
60	※ 76	※ 76	76	76	76	98	98	122					
100	※ 122	※ 122	△ 122	122	122	122	154	190	240				
150	※ 154	※ 190	△ 190	△ 190	190	190	190	240	288	365			
200	※ 240	※ 240	△ 240	△ 240	240	240	240	288	365		450		
250			△ 288	△ 288	288	288	288	365				560	
325			△ 365	△ 365	△ 365	365	365	450	450	560	560	700	700
400							450	560	560	700	700		
500							560	700	700				
600							700	700					

■ WIRE COMBINATIONS CHART (CV)

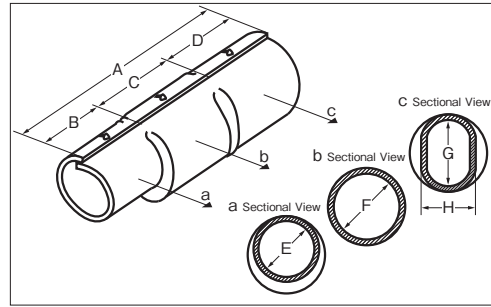
BRANCH WIRE MAIN WIRE mm ²	2 (1.6 φ)	3.5 (2.0 φ)	5.5	8	14	22	38	60	100	150	200	250	325
3.5 (2.0 φ)	7	7											
5.5	11	11	11										
8		16	16	20									
14	20	20	20	26	44								
22	26	26	26			44							
38			44	60	60	60	76						
60			76	76	76	98	98	122					
100				122	122	122	154	190	240				
150					190	190	190	240	288	365			
200					240	240	240	288	365		450		
250					288	288	288	365				560	
325					365	365	450	450	450	560	560	700	700
400							450	560	560	700	700		
500							560	700	700				
600							700	700					

NOTE

- Figure in chart shows our P/N except prefix 'T'.
- Marked ※ combination, requires support wire (5.5mm²/6mm²/AWG12) due to big difference
- Marked △ combination, fold branch wire as a support wire.
- Applicable tool,

□	 NOP-120
■	 NOH-360
■	 NP-520
- Above table is made according JIS wire range. IEC wire is also applicable within a combined wire range. Contact us for a further information.

CLAMP CONNECTOR COVERS

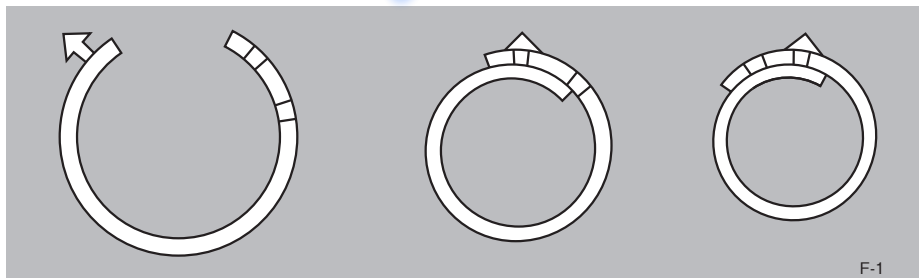


Unit mm

PART NUMBER	A	B	C	D	E	F	G	H	t	STD QTY/BAG
T 20C *	83	29	19	35	14	16.5	16.5	14	1.5~2.0	100
T 26C	85		21		16	18	18	16		
T 44C	89		25		20	22	22	20		
T 60C	93		29		21	25	25	21		
T 76C					23	27	27	23		
T 98C				100	31	40	24	29		29
T 122C	103		34	31	31					
T 154C	106		37	24.8	33		33	24.5		
T 190C	127	31	45	50	28.5	35	35	28.5	50	
T 240C	144	44	50		32	38	38	32		
T 288C	148	43	55			40	40			
T 365C	151	44	57		35.5	44	44	35.5		2~2.5
T 450C	175	50	65	60	39	52	59	39		
T 560C	190	55	70	65	42	56	67	42		
T 700C	205	60	75	70	45	62	72	45	10	

* T20C is a cover for P/N T11, T16 and T20

- **FEATURES :**
1. Quickly snaps on and off.
 2. For better fitting the O.D., use appropriate snap hole. (F - 1)



- **MATERIAL** : P.V.C.
 ■ **RATED TEMPERATURE** : 60°C
 ■ **COLOR** : Black

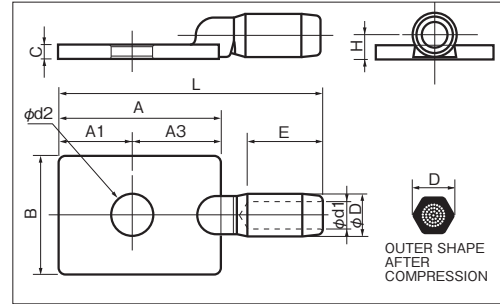
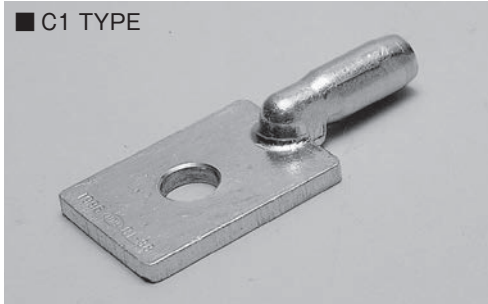
NOTE

- 1) Use in a box.
- 2) Not water tight.
- 3) For further fixation, wrap vinyl tape around the cable and cover.
- 4) NICHIFU designed covers.

COMPRESSION TERMINALS (For Hard-drawn copper stranded wire)

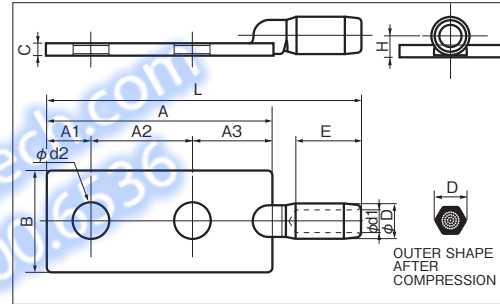
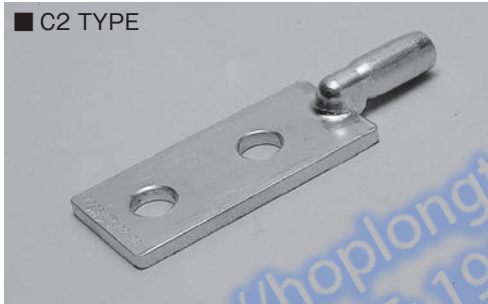
JIS C 2804

■ C1 TYPE



PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	ϕD	$\phi d1$	E	A	A1	A3	B	C	$\phi d2$	L	H		STRAND COMPOSITION Number of wires/mm	STRAND OUTER DIAMETER mm		PUMP	HEAD	
C1-14	14	5.2	26	55	25	30	40	5	14	90	8	M12×1	7/1.6	4.8	14	NOM 2500A NOM 3000	NP 520 NP 1000	3
C1-22 ◆		6.4											7/2.0	6.0				
C1-38 ◆		8.3											7/2.6	7.8				
C1-60 ◆	19	10.6	30							94	10.5		19/2.0	10.0	19			

■ C2 TYPE



PART NUMBER	DIMENSIONS mm												BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	C	φd2	L	H		STRAND COMPOSITION Number of wires/mm	STRAND OUTER DIAMETER mm		PUMP	HEAD	
C2-14	14	5.2	26	90	18		32	40	5		125	8	M12×2	7/1.6	4.8	14	NOM 2500A NOM 3000	NP 520 NP 1000	3
C2-22		6.4												7/2.0	6.0				
C2-38		8.3												7/2.6	7.8				
C2-55 ◆	19	10.2	30					6		135	11.0	7/3.2		9.6	19				
C2-60 ◆		10.6										19/2.0		10.0					
C2-75 ◆	23	11.7		95	20		35		8	150	13.0	7/3.7		11.1	23				
C2-100 ◆		13.6										19/2.6		13.0					
C2-125 ◆	26	15.2				40				14	14.5	19/2.9		14.5	26				
C2-150 ◆	29	16.9	44								170	16.0		37/2.3	16.1	29			
C2-180 ◆	32	18.5	53	110			45	50	10		180	17.5		19/3.5	17.5	32			
C2-200 ◆		19.5												37/2.6	18.2				
C2-240 ◆	36	21.0									207	20.5		19/4.0	20.0	36			
C2-250 ◆	38	21.9	62										61/2.3	20.7	38				
C2-325	42	24.7									212	23.0	61/2.6	23.4	42				
C2-400	47	27.4	70	115			50				222	25.5	61/2.9	26.1	47				
C2-500		30.2											61/3.2	28.8					

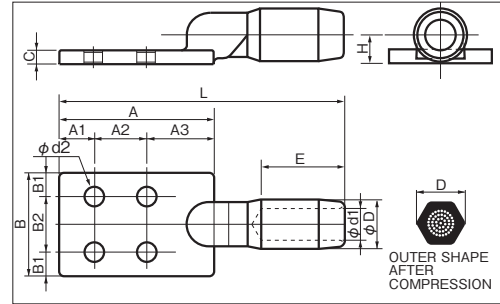
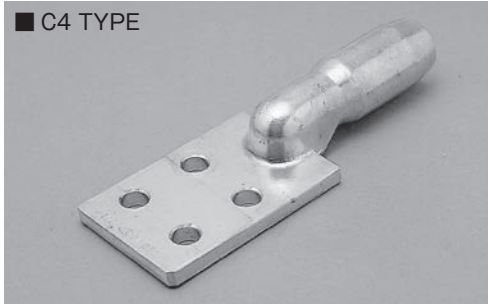
NOTE

- 1) Conductive face is tin plated.
- 2) ◆ : JIS
- 3) Special request can be made such as; without stud holes, all tin plated surface.
- 4) Special sizes are also available such as, for IEC wires.
- 5) Use strand with diameter of or over 1 mm.
- 6) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.

COMPRESSION TERMINALS (For Hard-drawn copper stranded wire)

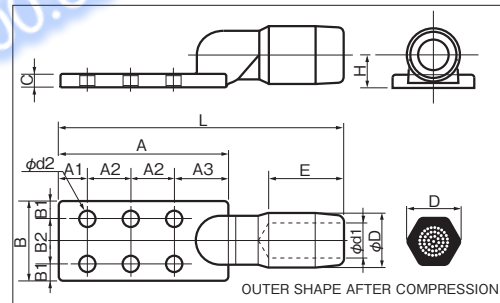
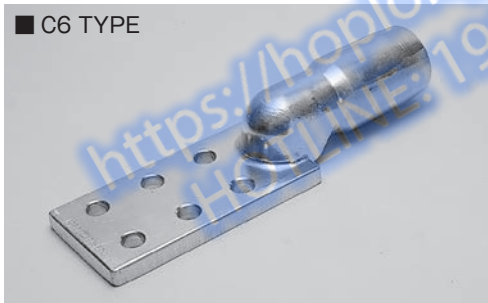
JIS C 2804

■ C4 TYPE



PART NUMBER	DIMENSIONS mm														BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	B1	B2	C	φd2	L	H		STRAND COMPOSITION Number of wires/mm	STRAND OUTER DIAMETER mm		PUMP	HEAD	
C4-100	23	13.6	39	115	25	40	50	75	17.5	40	10	14	180	13	M12×4	19/2.6	13.0	23	NOM 2500A NOM 3000	NP 520 NP 1000	3
C4-150	29	16.9	44										16								
C4-200	32	19.5	53										17.5								
C4-250	38	21.9	62										20.5								
C4-325 ◆	42	24.7											212	23.0							
C4-400 ◆	47	27.4	70								12	222	25.5	61/2.9		26.1	47				
C4-500 ◆		30.2												61/3.2		28.8					

■ C6 TYPE



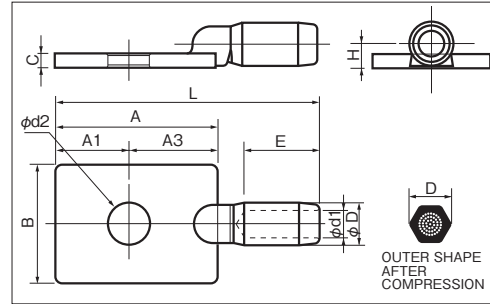
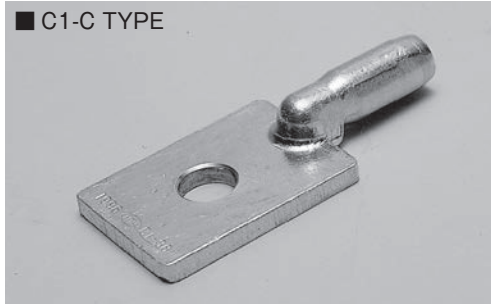
PART NUMBER	DIMENSIONS mm														BOLT SIZE	APPLIED WIRE		VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	B1	B2	C	φd2	L	H		STRAND COMPOSITION Number of wires/mm	STRAND OUTER DIAMETER mm		PUMP	HEAD	
C6-600 ◆	51	33.3	70	155	25	40	50	75	17.5	40	12	14	262	28.0	M12 × 6	91/2.9	31.9	51	NOM 2500A NOM 3000	NP 1000	1
C6-725 ◆	56	36.7	90	190	30	50	60	100	25.0	50		18	325	30.5	M16 × 6	91/3.2	35.2	56			
C6-800		38.0														127/2.8	36.4				
C6-850 ◆		39.3														127/2.9	37.7				
C6-1000 ◆		64														43.2	100				

NOTE

- 1) Conductive face is tin plated.
- 2) ◆ : JIS
- 3) Special request can be made such as; without stud holes, all tin plated surface.
- 4) Special sizes are also available such as, for IEC wires.
- 5) Use strand with diameter of or over 1 mm.
- 6) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.

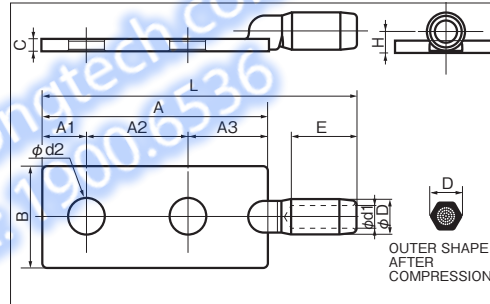
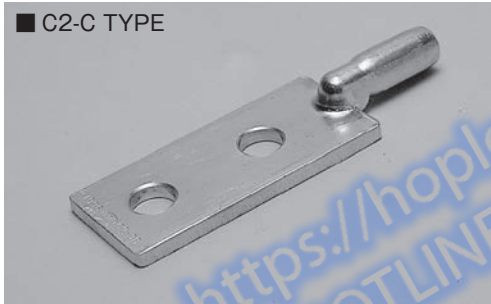
COMPRESSION TERMINALS (For Compressed copper stranded wire)

■ C1-C TYPE



PART NUMBER	DIMENSIONS mm											BOLT SIZE	APPLIED WIRE STRAND OUTER DIAMETER mm	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A3	B	C	φd2	L	H				PUMP	HEAD	
C1-14C	14	4.8	26	55	25	30	40	5	14	90	8	M12×1	4.4	14	NOM 2500A NOM 3000	NP 520 NP 1000	5
C1-22C		5.9											5.5				
C1-38C		7.8											7.3				
C1-60C	19	9.8	30							94	10.5		9.3	19			

■ C2-C TYPE

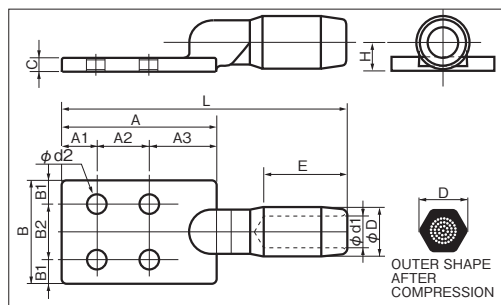
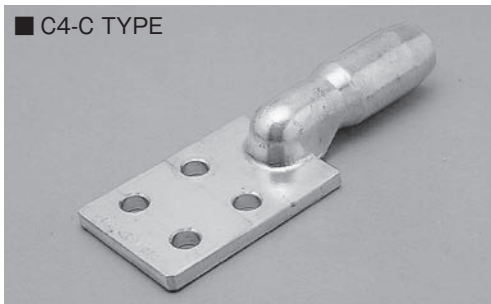


PART NUMBER	DIMENSIONS mm												BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	C	φd2	L	H		STRAND OUTER DIAMETER mm		PUMP	HEAD	
C2-14C	14	4.8	26	90	18	40	32	40	5	14	125	8	M12×2	4.4	14	NOM 2500A NOM 3000	NP 520 NP 1000	3
C2-22C		5.9												5.5				
C2-38C		7.8												7.3				
C2-60C	19	9.8	30	6	135		11.0	9.3	19									
C2-100C	23	12.6	39	95	20		35	8	150	13.0	23							
C2-125C	26	14.1								14.5	26							
C2-150C	29	15.4	44	110	25		45	50	10	170	16.0	29						
C2-200C	32	17.9	53							180	17.5	32						
C2-240C	36	19.4	62							207	20.5	36						
C2-250C	38	19.9								212	23.0	38						
C2-325C	42	22.7	70	115	50	12	222	25.5	21.7	42								
C2-400C	47	25.2							24.1	47								
C2-500C		28.0							26.9									

- NOTE 1) Conductive face is tin plated.
 2) Special request can be made such as; without stud holes, all tin plated surface.
 3) Special sizes are also available such as , IEC wires.
 4) Use strand with diameter of or over 1 mm.
 5) Do not use wires such as KIP, MLFC, LH, PNCT and PDP in JIS.

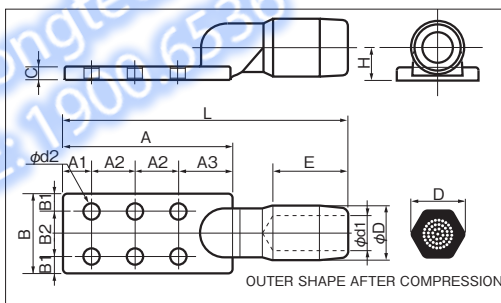
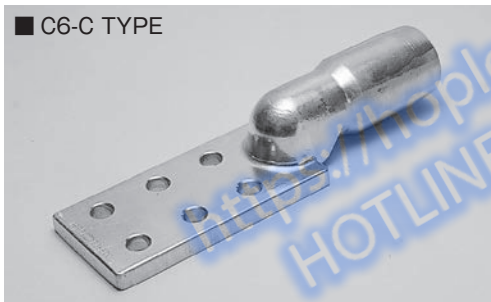
COMPRESSION TERMINALS (For Compressed copper stranded wire)

■ C4-C TYPE



PART NUMBER	DIMENSIONS mm														BOLT SIZE	APPLIED WIRE	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX									
	φD	φd1	E	A	A1	A2	A3	B	B1	B2	C	φd2	L	H		STRAND OUTER DIAMETER mm		PUMP	HEAD										
C4-100C	23	12.6	39	115	25	40	50	75	17.5	40	10		180	13.0	M12×4	12.0	23	NOM 2500A NOM 3000	NP 520 NP 1000	3									
C4-150C	29	15.4	44																							16.0		14.7	29
C4-200C	32	17.9	53																							17.5		17.0	32
C4-250C	38	19.9	62																					14		20.5		19.0	38
C4-325C	42	22.7																						212	23.0		21.7	42	
C4-400C	47	25.2									70												12	222	25.5		24.1	47	
C4-500C		28.0																							26.9				

■ C6-C TYPE



PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE STRAND OUTER DIAMETER mm	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	B1	B2	C	φd2	L				PUMP	HEAD	
C6-600C	51	30.7	70	155	25	40	50	75	17.5	40		14	262	M12×6	29.5	51	NOM 2500A NOM 3000	NP 1000	1
C6-800C		35.3	90									12		M16×6	34.0	56			
C6-850C		35.6		190	30	50	60	100	25.0	50		18	325		35.1	64			
C6-1000C	64	39.4	100									14	335		38.0				



■ SPECIAL LARGER SIZE See page 2

PART NUMBER	DIMENSIONS mm													BOLT SIZE	APPLIED WIRE STRAND OUTER DIAMETER mm	VERTEX DISTANCE OF HEXAGONAL DIES	TOOL No.		STD QTY/BOX
	φD	φd1	E	A	A1	A2	A3	B	B1	B2	C	φd2	L				PUMP	HEAD	
C6-1200A-SN	69	43.3	90										350	M16×6	41.7	69	SMP3	SR-200M	1
C6-1400A-SN		46.7	95	200	30	50	70	100	25	50	20	18	365		45.0	76			
C6-1600A-SN		50.0	100										370		48.2				

NOTE

1) Above 3 part numbers are tin plated on all surface.

SHUNT WIRES

Shunt wires are applied to connections between electrical machines with vibration, stretch and bending. Shunt wire is manufactured by putting the end of a flat braided wire with a seamed high quality copper tube, and then they are compressed and molded.

Ordering example

SA 1-200

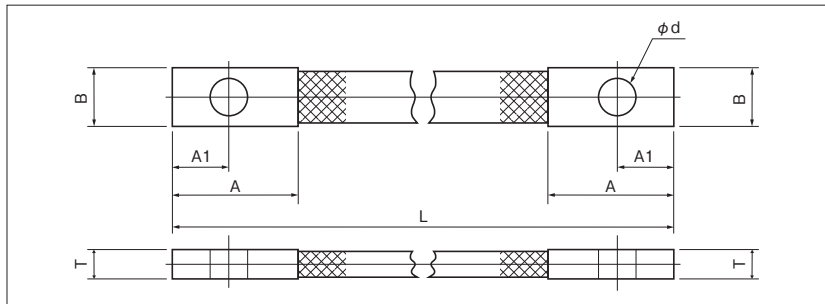
Length(L)

*Please put your desired length.

Type

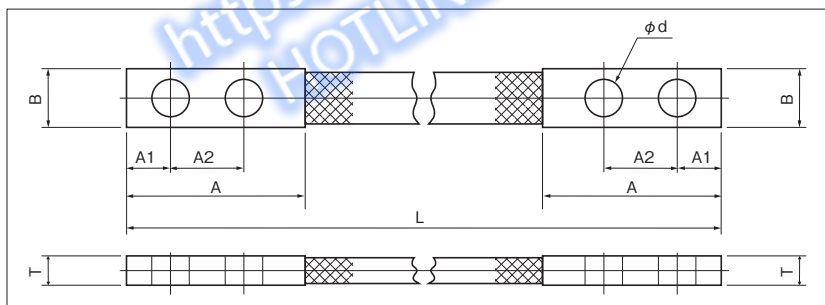
Manufacture upon request

SA TYPE



PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm²	DIMENSIONS mm					
			T	ϕd	STANDARD LENGTH L	B	A	A1
SA 1-L	67	8	3	10	200	16	18	8
SA 2-L	100	14	3	12		22	24	11
SA 3-L	150	28	3.5			25	45	20
SA 4-L	200	38	4.5					
SA 5-L	300	76	7					
SA 6-L	380	114	9					
SA 7-L	450	152	11.5					

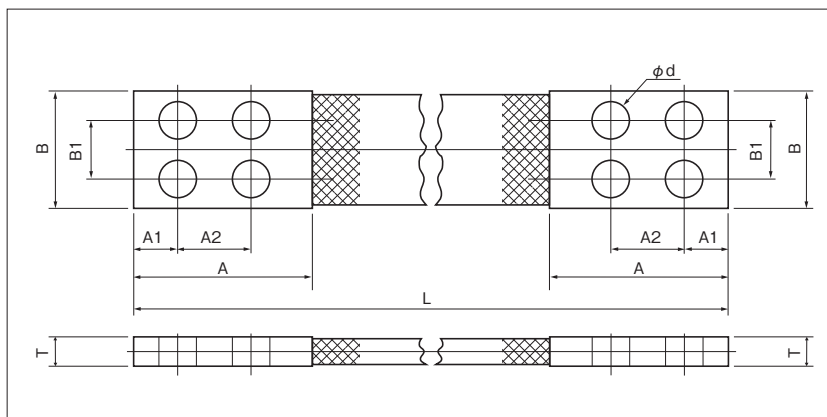
SB TYPE



PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm²	DIMENSIONS mm						
			T	∅d	STANDARD LENGTH L	B	A	A1	A2
SB 1-L	290	50	5.5	12	300	40	85	20	40
SB 2-L	410	100	7						
SB 3-L	520	150	8.5						
SB 4-L	580	200	10.5						
SB 5-L	690	250	13						
SB 6-L	770	300	14						
SB 7-L	450	100	6.5	14	330	50	95	25	
SB 8-L	650	200	9						
SB 9-L	820	300	12						
SB 10-L	970	400	14						
SB 11-L	1100	500	16.5						
SB 12-L	1220	600	19.5						

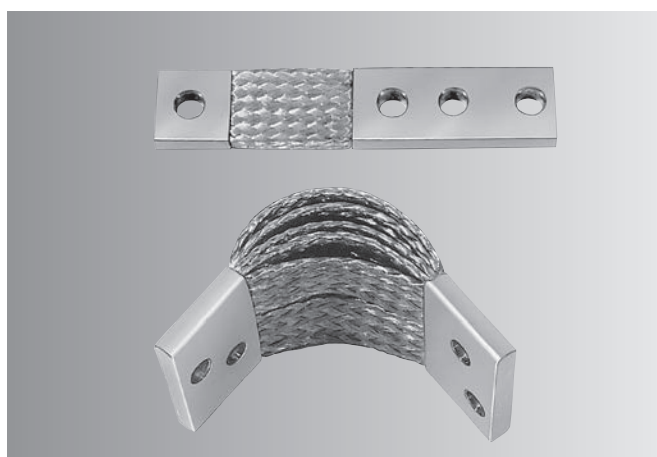
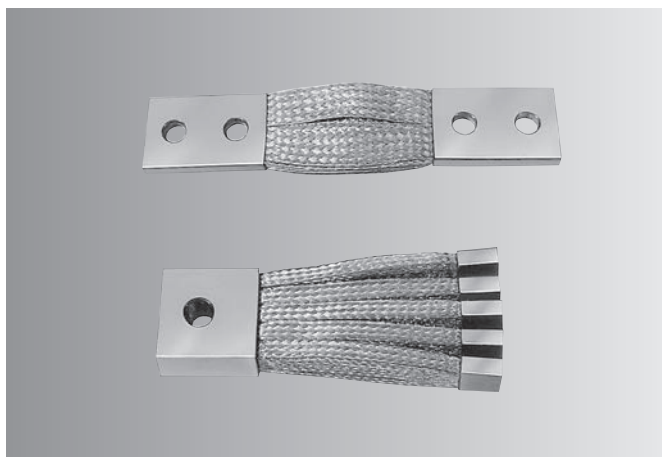
SHUNT WIRES

■ SC TYPE



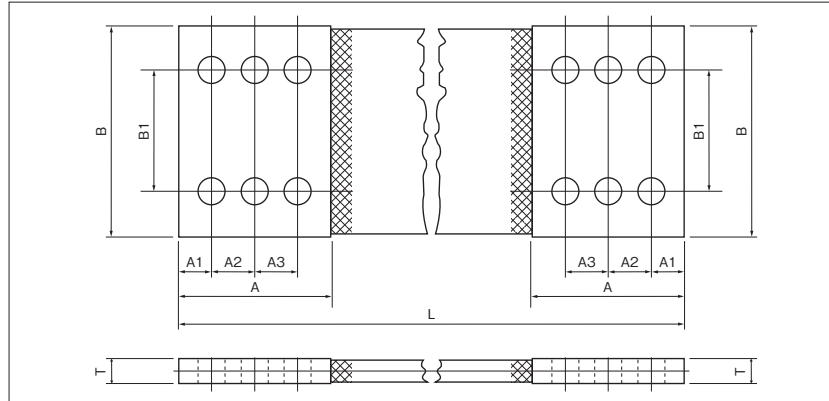
PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm							
			T	ϕ d	STANDARD LENGTH L	B	B1	A	A1	A2
SC 1-L	680	160	7.5	14	350	75	40	95	25	40
SC 2-L	760	200	8.5							
SC 3-L	860	250	9.5							
SC 4-L	940	300	10.5							
SC 5-L	1100	400	12							
SC 6-L	1240	500	13.5							
SC 7-L	1380	600	15							
SC 8-L	1630	800	19							
SC 9-L	1860	1000	21							
SC 10-L	2070	1200	25.5							
SC 11-L	860	200	8		400	100	50	105		50
SC 12-L	970	250	9.5							
SC 13-L	1060	300	10							
SC 14-L	1240	400	11							
SC 15-L	1380	500	12							
SC 16-L	1530	600	13.5							
SC 17-L	1800	800	15.5							
SC 18-L	2000	1000	18							
SC 19-L	2200	1250	21							
SC 20-L	2500	1500	24							
SC 21-L	2700	1600	25.5							
SC 22-L	2900	1800	30							

Special ordered shunt wires are available upon your request.



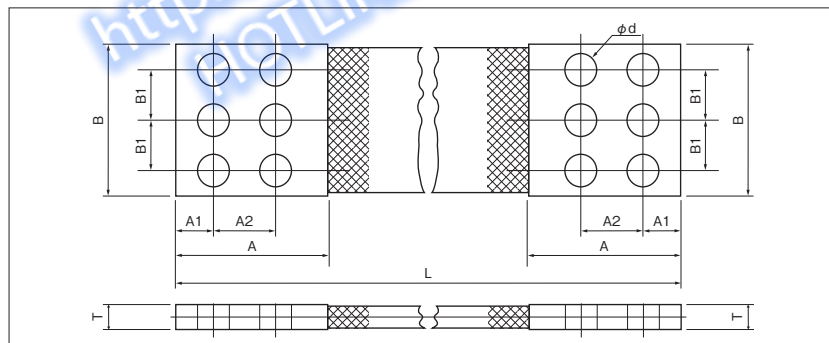
SHUNT WIRES

SD TYPE



PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm								
			T	φd	STANDARD LENGTH L	B	B1	A	A1	A2	A3
SD 1-L	3200	1800	27	14	400	120	60	125	25	40	40
SD 2-L	3450	2160	29.5								
SD 3-L	1460	400	10								
SD 4-L	1640	500	11								
SD 5-L	1800	600	12								
SD 6-L	2100	800	14								
SD 7-L	2350	1000	16								
SD 8-L	2600	1200	18								
SD 9-L	3000	1600	22								
SD 10-L	3400	2000	25								
SD 11-L	3600	2100	26								
SD 12-L	3800	2400	29								
SD 13-L	4000	2700	32								
SD 14-L	4100	2800	32.5								

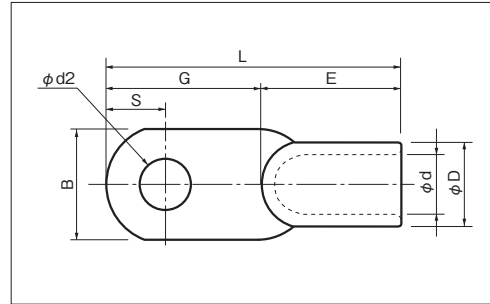
SE TYPE



PART NUMBER	RATED CURRENT A	BRAIDED WIRE CROSS SECTIONAL AREA mm ²	DIMENSIONS mm							
			T	φd	STANDARD LENGTH L	B	B1	A	A1	A2
SE 1-L	3200	1800	27	14	400	120	30	125	25	80
SE 2-L	3450	2160	29.5							
SE 3-L	1460	400	10							
SE 4-L	1640	500	11							
SE 5-L	1800	600	12							
SE 6-L	2100	800	14							
SE 7-L	2350	1000	16							
SE 8-L	2600	1200	18							
SE 9-L	3000	1600	22							
SE 10-L	3400	2000	25							
SE 11-L	3600	2100	26							
SE 12-L	3800	2400	29							
SE 13-L	4000	2700	32							
SE 14-L	4100	2800	32.5							

COPPER TUBE TERMINALS (D TYPE)

■ A TYPE (SINGLE HOLE)

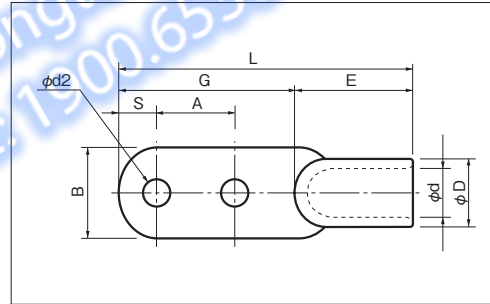


RoHS

See page 2

PART NUMBER	DIMENSIONS mm								WIRE RANGE			TOOL No.		STD QTY/BOX
	$\phi d2$	B	L	S	G	E	ϕD	ϕd	SOLID mm	STRANDED mm ²	AWG MCM	HAND	HYDRAULIC TOOL/HEAD No.	
D 8-A	5.3	9.5	26.0	7.0	14.0	12.0	7.0	4.5	2.89~3.65	6.64~10.52	8	NH 1 NH 9 NOP 60, NOM 60 NOM 150, NOP 150HA NOH 300K		200
D 14-A	6.4	12.0	34.0	8.0	18.0	16.0	8.9	5.8	-	10.52~16.78	6			100
D 22-A	8.4	15.5	39.0	9.0	20.0	19.0	11.1	7.7		16.78~26.66	4			
D 38-A		18.5	49.0	10.0	25.0	24.0	13.2	9.4		26.66~42.42	2			50
D 60-A	11.0	21.5	59.0	13.0	30.0	29.0	15.3	11.4		42.42~60.57	1/0			
D 70-A		25.0	65.0		33.0	32.0	17.5	13.3		60.57~76.28	2/0			25
D 80-A	13.0	27.5	80.0	14.0	43.0	37.0	19.5	14.5		76.28~96.3	3/0			
D 100-A		31.0	95.0	17.0	50.0	45.0	22.1	16.4		96.3~117.2	4/0			10
D 150-A		37.0	113.0	21.0	60.0	53.0	26.4	19.5		117.2~152.05	250~300MCM			
D 180-A	15.0	40.0	124.0		64.0	60.0	28.5	21.0		152.05~192.6	300~350MCM			
D 200-A		45.5	130.0		67.0	63.0	32.4	24.0		192.6~242.27	400MCM			5
D 325-A		53.0	143.0		70.0	73.0	37.0	28.0		242.27~325	500~600MCM			

■ B TYPE (DOUBLE HOLES)



RoHS

See page 2

PART NUMBER	DIMENSIONS mm									WIRE RANGE			TOOL No.		STD QTY/BOX	
	ϕd2	B	L	S	A	G	E	ϕD	ϕd	SOLID mm	STRANDED mm²	AWG MCM	HAND	HYDRAULIC TOOL/HEAD No.		
D 8-B	4.5	9.5	36.0	5.0	12.0	24.0	12.0	7.0	4.5	2.89~3.65	6.64~10.52	8	NH 1 NH 9	NOP 60, NOM 60 NOM 150, NOP 150HA NOH 300K	100	
D 14-B		12.0	43.0	6.0		27.0	16.0	8.9	5.8		10.52~16.78	6				
D 22-B	5.5	15.5	51.0		16.0	32.0	19.0	11.1	7.7	16.78~26.66	4					
D 38-B		18.5	60.0	8.0		36.0	24.0	13.2	9.4	26.66~42.42	2					
D 60-B	11.0	21.5	88.0	11.0	32.0	59.0	29.0	15.3	11.4	-	42.42~60.57	1/0			50	
D 70-B		25.0	92.0	12.0		60.0	32.0	17.5	13.3		60.57~76.28	2/0			30	
D 80-B		27.5	99.0	14.0		62.0	37.0	19.5	14.5		76.28~96.3	3/0			25	
D 100-B		31.0	108.0	14.5		63.0	45.0	22.1	16.4		96.3~117.2	4/0				
D 150-B	14.0	37.0	130.0	18.0	40.0	77.0	53.0	26.4	19.5	117.2~152.05	250~300MCM	10				
D 180-B		40.0	138.0			78.0	60.0	28.5	21.0	152.05~192.6	300~350MCM					
D 200-B		45.5	145.0			22.0	82.0	63.0	32.4	24.0	192.6~242.27				400MCM	5
D 325-B		53.0	158.0			25.0	85.0	73.0	37.0	28.4	242.27~325				500~600MCM	10

- Anti-vibration and anti-dust design.
- Crimp type
- Available without stud hole upon your request.

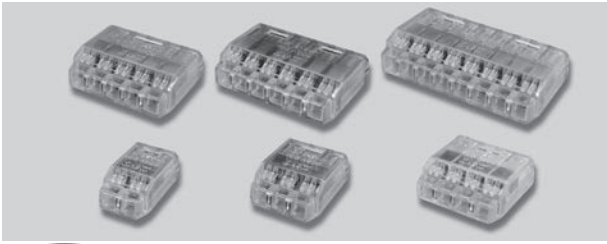
INSPECTION HOLE (WINDOW) ON THE BARREL

Contact us for production lot quantity, lead time, price or any other information.



QUICK LOCKS

■ QLX Series



RoHS

See page 2



FOR SAFETY USE

Please observe instructions to prevent over heat and possible fire.

For use within an indoor wiring box.

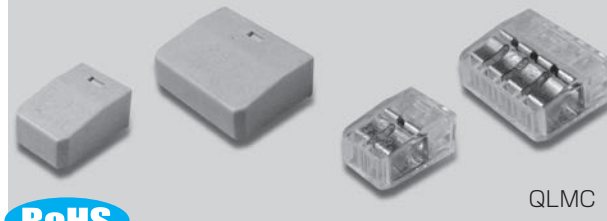
Instructions

●Strip the wire to the proper length using the gauge on QLX connector.	●Straighten wire.	●Insert wire straight to the end. ●Insufficient insertion causes over-heating.	●Do not bend wire immediately after the QLX connector. ●To remove wire: Pull wire while twisting wire and pull as shown. ●Do not reuse pulled wire! Cut off the used wire end and strip insulation for reconnection.
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PART NUMBER	POLE	DIMENSIONS (mm)			RATINGS	STD QTY/BOX	APPLIED WIRE	COLOR
		LENGTH	WIDTH	HEIGHT				
QLX 2	2	20.5	11.6	9.1	20A 300V	50	COPPER/ SOLID WIRE φ 1.6mm φ 2.0mm	RED
QLX 3	3		16.2					BLUE
QLX 4	4		20.8					YELLOW
QLX 5	5		25.4					ORANGE
QLX 6	6		30.0					PURPLE
QLX 8	8		39.2					GREEN

■ QLSQ・QLMC Series

QLSQ, High-Temp connector for wiring to the fire detector.



RoHS

See page 2

Instructions

●Strip the wire to the proper length using the gauge on QLSQ-QLMC connector.	●Straighten wire.	●Insert wire straight to the end.	⚠ CAUTION Do not reuse QLSQ&QLMC
---	--------------------------	--	--

PART NUMBER	POLE	DIMENSIONS (mm)			RATINGS	STD QTY/BOX	APPLIED WIRE	COLOR
		LENGTH	WIDTH	HEIGHT				
QL SQ-2	2	11.2	8.2	5.8	5A 100V	30	COPPER/ SOLID WIRE φ 0.9~1.2mm	Beige
QL SQ-4	4		15.4			20		
QL MC-2	2		8.2			30		Transparent
QL MC-4	4		15.4			20		

Quick Lock for solid copper wires. Make indoor wiring to insert stripped solid copper wires.

FEATURES

- Reliable, double contacts for higher reliability.
- Simply strip and insert for instant connection.
- Clear translucent housing enables visual inspection of correct wire installation.
- Waved copper contact for easier insertion of wire.

SPECIFICATION

- Material Spring : Stainless Steel
Connector contact : Oxygen free copper (Tin plated)
Housing : Polycarbonate (UL94V2)

STANDARDS

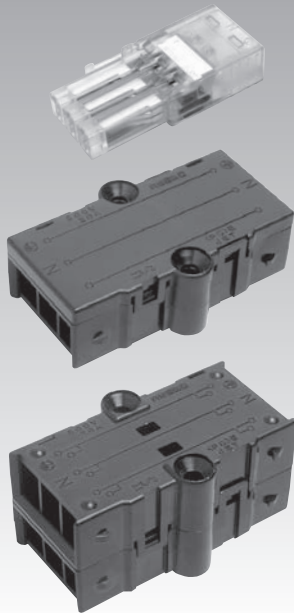
- JIS C2813
- UL

PLUG JOINT CONNECTOR

PLUG CONNECTOR
NPJ P01-3P

TERMINAL BLOCK
■ LINE CONNECTION
NPJ B01-3P

■ DOUBLE LINE CONNECTION
NPJ B02-3P



Features

Simple & Easy Connection - Just plugging it into the terminal block to make indoor electrical wiring simple.

Simple & Easy Re-wiring - Changing the terminal block makes single line or double line connections.

Reusable Plug - Terminal Block - The plug and terminal block are reusable. To take off the wires, press the lock release lever using a flathead screw driver on the plug.

Safety Design - This product was designed with your safety in mind.

Sure Connection / Wiring - To prevent improper connections, the plug and terminal block have the correct mating mechanism. Transparent plug housing ensures easy visual inspection for proper polarity.

No Junction Box is Required - This product is approved by the Japanese Electrical Appliance and Material Safety laws without having to use a Junction Box.

The Attachments Allow Stranded Wire Connection With the Plug - Using the cover and the pin terminals, the plug will accept stranded wire.

SPECIFICATION

■ PLUG

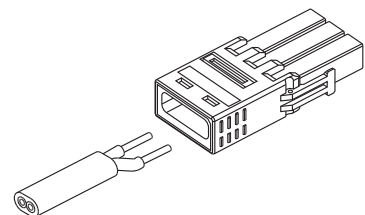
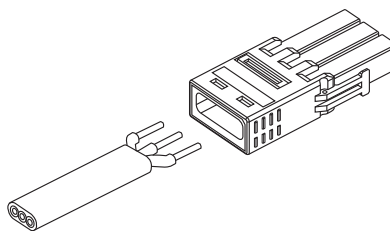
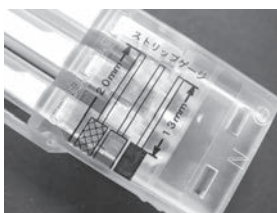
Rated current	: 20A
Rated voltage	: 300V
Housing material	: Polycarbonate (UL94V-0)
Color	: Plug connector (transparent)
	: Terminal block (black)
Contact material	: Tinplated brass
Temperature range	: -40°C~+110°C

■ VCTF cover

Material	: polypropylene (transparent)
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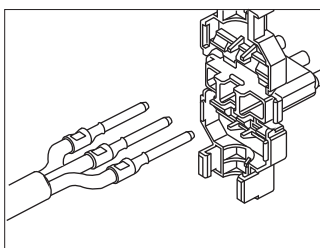
■ SOLID WIRE CONNECTION (φ1.6~φ2.0mm)

Strip solid wire then fitting to the Strip - Gauge on PLUG CONNECTOR and insert into the PLUG CONNECTOR

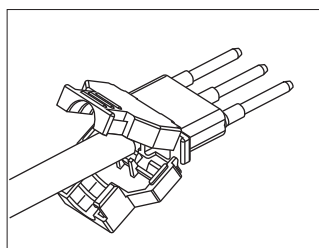


■ STRANDED WIRE CONNECTION

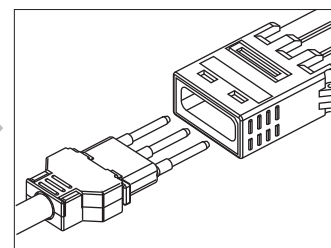
Using the VCTF-Cover and the Pin-Terminals, the PLUG CONNECTOR accepts stranded wire.



Crimp the Pin terminal



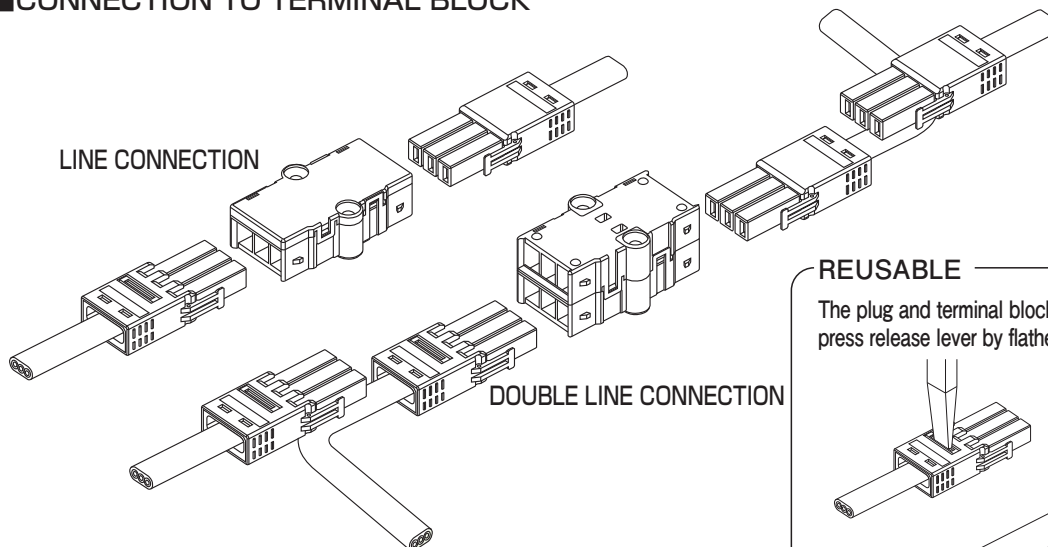
Fitting in the VCTF cover



Insert into the PLUG CONNECTOR

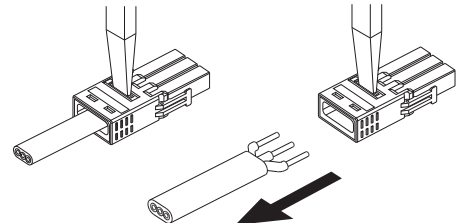
PLUG JOINT CONNECTOR

■ CONNECTION TO TERMINAL BLOCK



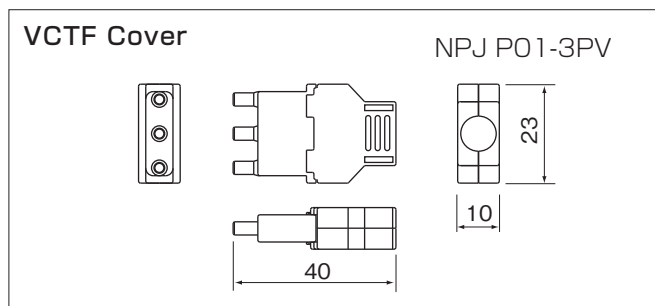
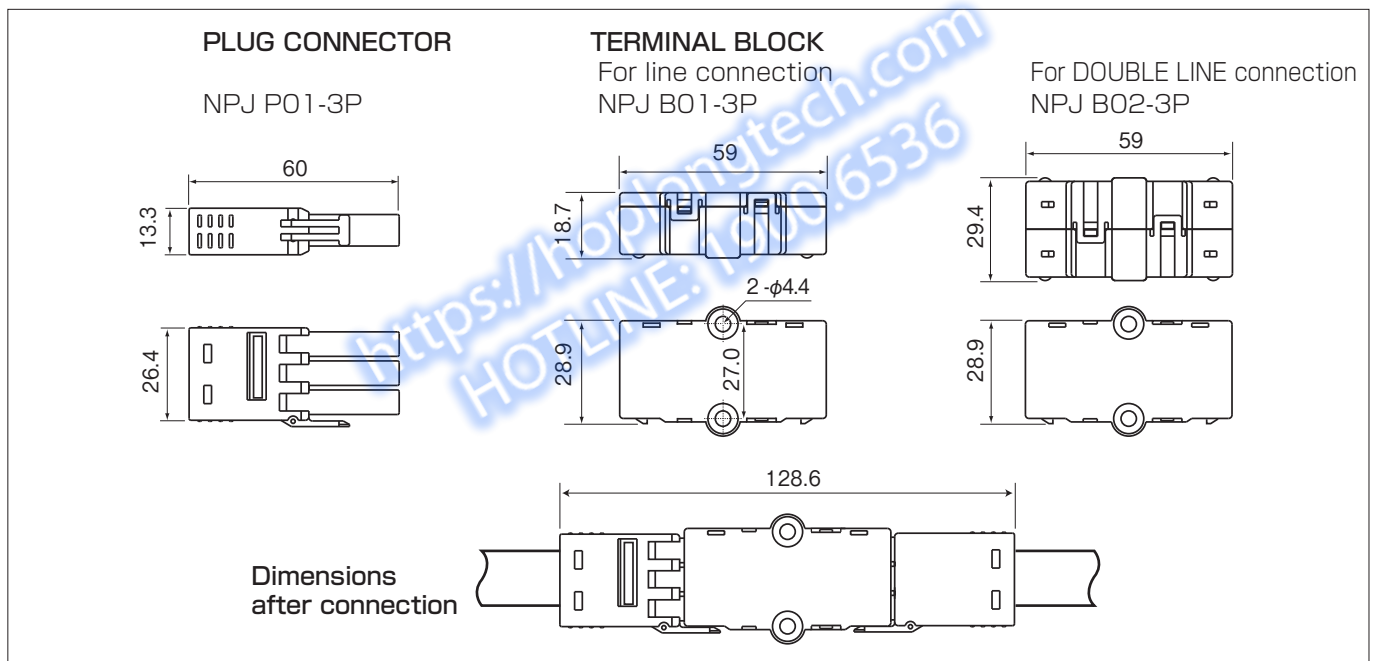
REUSABLE

The plug and terminal block is reusable. To take off wire, press release lever by flathead screw driver on the plug.



Just change to DOUBLE LINE terminal block, you can make a branch line easily.

■ DIMENSIONS

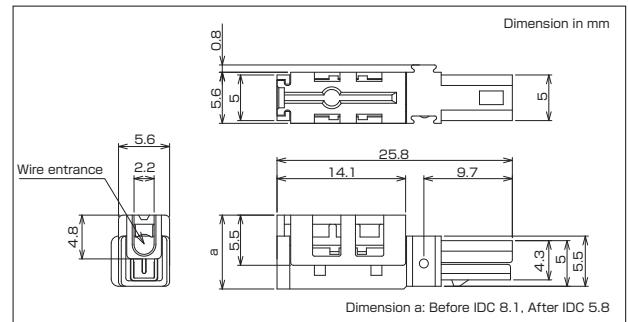
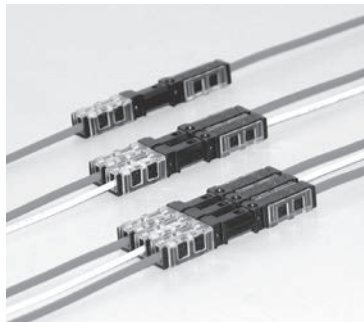


*Stranded wire : 1.04~2.63mm²

■ PACKAGE

N A M E	PART No.	QTY
PLUG CONNECTOR	NPJ P01-3P	20pcs
TERMINAL BLOCK, LINE CONNECTION	NPJ B01-3P	10pcs
TERMINAL BLOCK, DOUBLE LINE CONNECTION	NPJ B02-3P	5pcs
Kit of VCTF cover & Pin terminal	NPJ 3PV-S	(20pcs/60pcs)

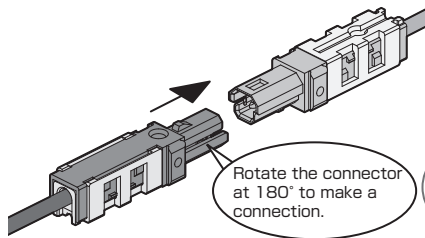
WIRE TO WIRE IDC NDC 2420



FEATURES

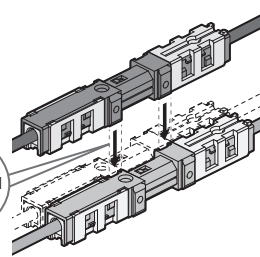
■ Simply structured for single connection.

■ Multi pole connection is possible.

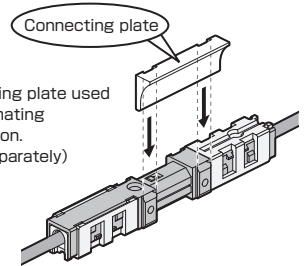


Rotate the connector at 180° to make a connection.

After the insulation displacement connection, connectors can be attached by sliding them along each guide rail.



Connecting plate used to lock mating connection. (Sold separately)



■ No need of stripping wires.

■ Easy connection by plier.

SPECIFICATION

■ Applicable wire size

Wire size 0.2~0.5mm² AWG 24-20

Max. wire outside diameter. 2.1mm

Note) Not reusable after IDC connection.

■ Applicable wire standards

【Stranded wire】

UL1007 AWG24-AWG20

KV(per JIS) 0.2mm²~0.5mm²

KIV(per JIS) 0.3mm²

VSF(per JIS) 0.3mm²

【Solid wire】

IEV(Interphone cable) φ0.65mm

Polyethylene insulated cable for alarm device

φ0.65mm(JCS 4396)

■ Material

Housing Polycarbonate(Black)

Cover Polycarbonate(Yellow translucent)

Contact Pre-tin plated phosphor bronze

Connecting plate(Sold separately) Polycarbonate(white)

■ Package quantity

Connector 200pcs.(20pcs. ×10)

Connecting plate 100pcs.(10pcs. ×10)

■ Rating

Voltage 100V

Current 2A(AWG24-22)

3A(AWG20)

Working temperature -20°C~75°C

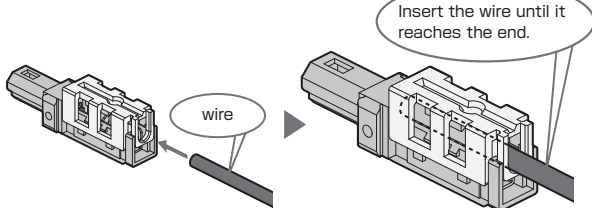
Assemble temperature 0°C~40°C

■ Recommended plier

Plier(JIS B 4614 Size 150)

IDC connection

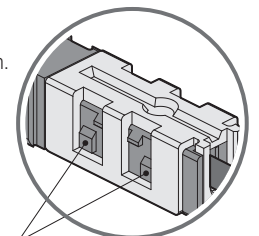
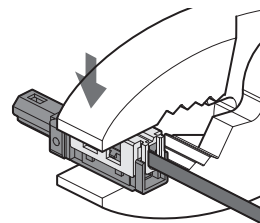
■ Insert the wire



Insert the wire until it reaches the end.

■ Making insulation displacement connection.

Note) Use a plier at its open jaw condition.

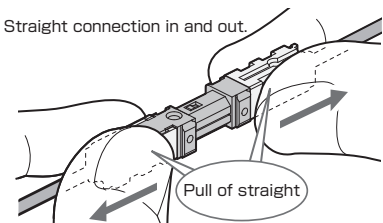


Confirm that it is correctly locked. (Two locking mechanisms on both sides.)

● For safety use, read following points prior to usage.

- Check the product specification.
- For copper wire only.
- Do not use wires other than applicable wires per standard.
- Use within the rated voltage, current, working temperature and assemble temperature.
- Connection of wire and connector shall be made when power is turned off.
- Indoor use only.
- Avoid using under conditions such as high temperature, low temperature, high humidity, much dust, places with vibration & strong impact, water, oils, chemicals, and corrosive gas.
- Fix wires without causing tension.
- IDC contact is not reusable.

● Straight connection in and out.



Pull of straight

PLIER TAP CONNECTOR For appliance electrical wiring

PT CONNECTOR



RoHS

See page 2

SPECIFICATION

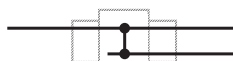
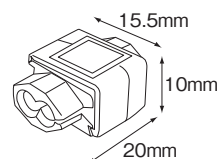
MATERIAL Contact : Brass (Tin plated)

Body : Polypropylene

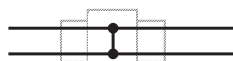
RATED VOLTAGE 600V

RATED CURRENT 7A (0.9mm²)
15A (2.0mm²)

RATED TEMPERATURE 105°C (MAX)



P T V



P T W



P T R

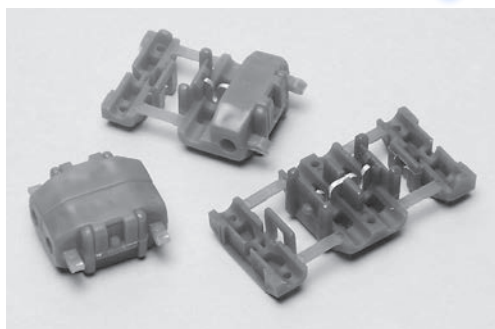
PART NUMBER	Nominal Size mm ²	Type of branch	WIRE RANGE			Max. Wire O.D.φ	COLOR	STD QTY/BOX
			SOLID mm	STRANDEDmm ²	AWG			
PT V-09	0.9	1branch	0.65~1.0	0.5~0.9	20-18	3.05	Red	100
PT V-20	2.0		1.0~1.6	1.25~2.0	18-14	3.68	Blue	
PT W-09	0.9	2branch	0.65~1.0	0.5~0.9	20-18	3.05	Red	100
PT W-20	2.0		1.0~1.6	1.25~2.0	18-14	3.68	Blue	
PT R-09	0.9	Ends	0.65~1.0	0.5~0.9	20-18	3.05	Red	100
PT R-20	2.0		1.0~1.6	1.25~2.0	18-14	3.68	Blue	

NOTE

For stranded wire, diameter of the strand must be larger than 0.32mm. Insulation of the wire should be PVC.
Plier tap connector is not suitable for certain electric wiring. Contact us for further information.



SPTV CONNECTOR



RoHS

See page 2

SPECIFICATION

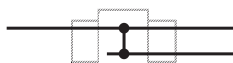
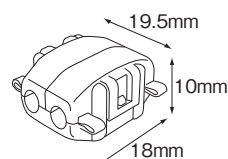
MATERIAL Contact : Brass (Tin plated)

Body : Polypropylene

RATED VOLTAGE 300V

RATED CURRENT 5A (0.85mm²)
10A (2.0mm²)

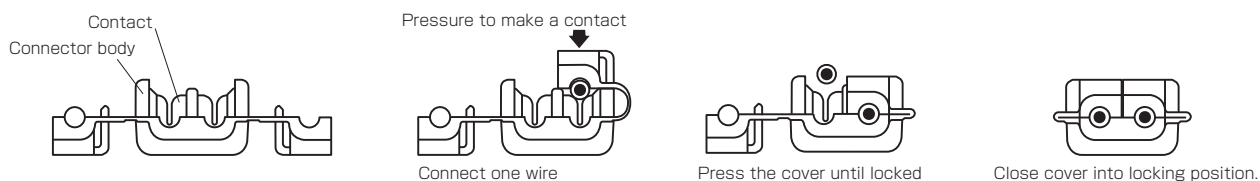
RATED TEMPERATURE 75°C (MAX)



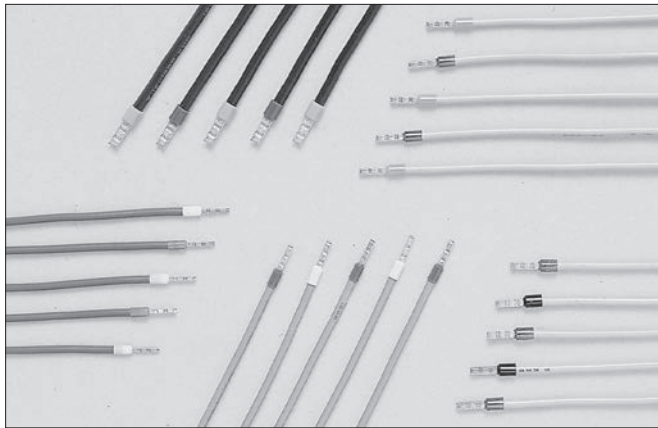
PART NUMBER	Nominal Size mm ²	Type of branch	WIRE RANGE			Max. Wire O.D.φ	COLOR	STD QTY/BOX
			SOLID mm	STRANDEDmm ²	AWG			
SPTV 09	0.9	1branch	0.8~1.0	0.5~0.85	20-18	1.5~2.8	RED	100
SPTV 20	2.0		1.2~1.6	1.25~2.0	16-14	2.0~3.4	BLUE	

NOTE

For stranded wire, diameter of the strand must be larger than 0.32mm. Insulation of the wire should be PVC.
Plier tap connector is not suitable for certain electric wiring. Contact us for further information.



WIRE ENDS

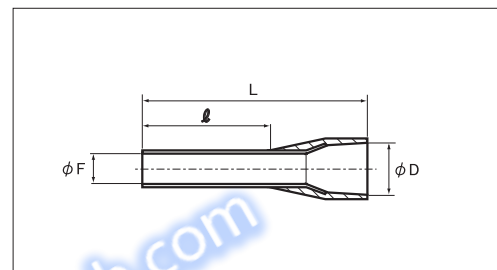
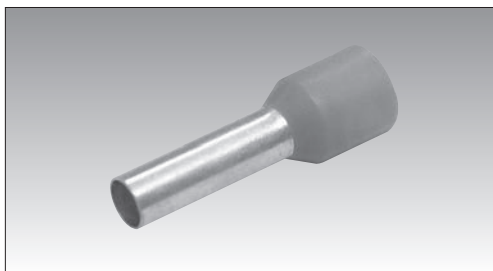


Use wire ends for terminal blocks and stranded wire.

SPECIFICATIONS

■ MATERIAL :SLEEVE:Copper (Tin-plated)
INSULATOR:Polypropylene

■ SINGLE WIRE

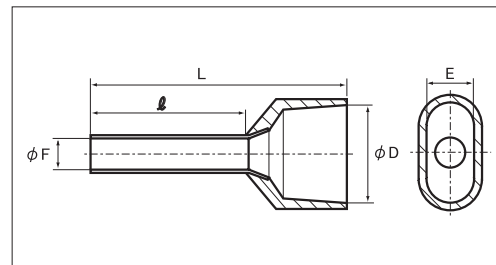
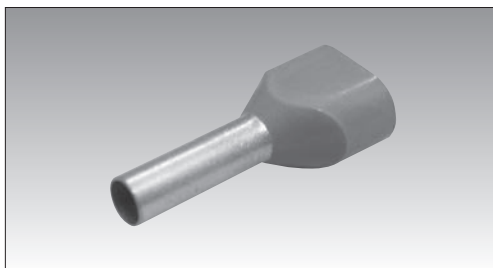


RoHS

See page 2

PART NUMBER	DIMENSIONS mm				WIRE RANGE		TOOL No.	COLOR	STD QTY/BAG
	φF	φD	ℓ	L	STRANDEDmm ²	AWG	HAND TOOL No.		
TE 0.5-8	1.0	2.6	8.0	14.0	0.3~0.5	22	NH 79	WHITE	500
TE 0.5-10			10.0	16.0				BLUE/GRAY	
TE 0.75-8	1.2	2.8	8.0	14.0	0.75	20		RED	
TE 0.75-10			10.0	16.0				BLACK	
TE 1.0-8	1.4	3.0	8.0	14.0	1.0	18		GRAY/BLUE	500
TE 1.0-10			10.0	16.0				BLUE	
TE 1.5-8	1.7	3.5	8.0	14.0	1.5	16		GRAY	200
TE 1.5-10			10.0	16.0				ORANGE	
TE 2.5-8	2.2	4.2	8.0	14.0	2.5	14		GREEN	100
TE 2.5-10			10.0	16.0					
TE 2.5-12			12.0	18.0					
TE 4.0-10	2.8	4.8	10.0	17.0	4.0	12			
TE 6.0-12	3.5	6.3	12.0	20.0	6.0	10			

■ TWIN WIRE

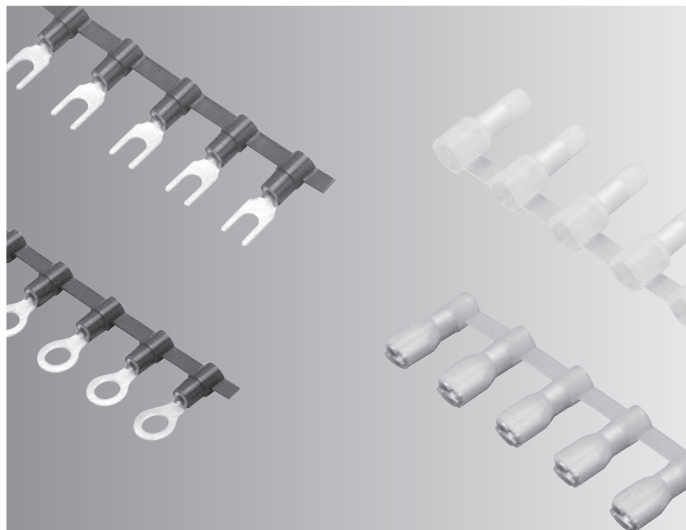


RoHS

See page 2

PART NUMBER	DIMENSIONS mm					WIRE RANGE		TOOL No.	COLOR	STD QTY/BAG
	φF	φD	E	l	L	STRANDEDmm ²	AWG	HAND TOOL No.		
TEW 0.5-8	1.5	4.9	2.5	8.0	16.0	0.5×2	22×2	NH 79	WHITE	500
TEW 0.75-8	1.8	5.2	2.6			0.75×2	20×2		BLUE/GRAY	
TEW 1.0-8	2.0	5.8	3.2			1.0×2	18×2		RED	
TEW 1.5-8	2.3	6.5	3.6			1.5×2	16×2		BLACK	
TEW 2.5-9	2.9	7.5	4.3	9.0	18.0	2.5×2	14×2		GRAY/BLUE	

INSULATED CHAIN TERMINAL (ICT)



SPECIFICATION

- **MATERIAL** : Terminal/Sleeve : Oxygen free copper (Electro-tin-plated)
Disconnect : Brass(Electro-tin-plated)
Insulator : Vinyl/Nylon
- **RATED VOLTAGE** : 300V
- **RATED CURRENT** : Please see amperage rating table for insulated wires. Page 128.
- **TEMPERATURE RANGE** : - 40°C ~ + 75°C Vinyl
- 40°C ~ + 105°C Nylon
- **FLAME RETARDANCE** : UL94V0 Vinyl
UL94V2 Nylon

ICT FEATURES

CONNECTED INSULATED TERMINAL

Each terminal has a fixed distance which enables to crimp continuously

EASY CRIMP

Chain terminal comes on a reel, terminal is fed automatically to the correct position in the dies.

With an optional sensor, insert the wire for automatic crimp.

QUALITY CRIMP

ICT crimping gets a consistent quality crimp



FOR SAFETY USE

Please observe the following points to prevent over heat and possible fire.

- Copper wire only.
- Use our recommended applicator/machine.
- Use with specified wire range.

(NOTE)

APPLICABLE WIRE

Wire range and performance ratings comply with JIS standards wire (IV,KIV,VSF)

UL/CSA

To have UL/CSA listed or certified, use Nichifu crimp machine/applicator.

INSULATOR/COLOR

STANDARD COLOR				
	ICT0.3/0.5	ICT1.25	ICT2	ICT5.5
VINYL	Yellow	Red	Blue	Yellow
NYLON	Yellow translucent	Red translucent	Blue translucent	Yellow translucent

WIRE STRIP LENGTH

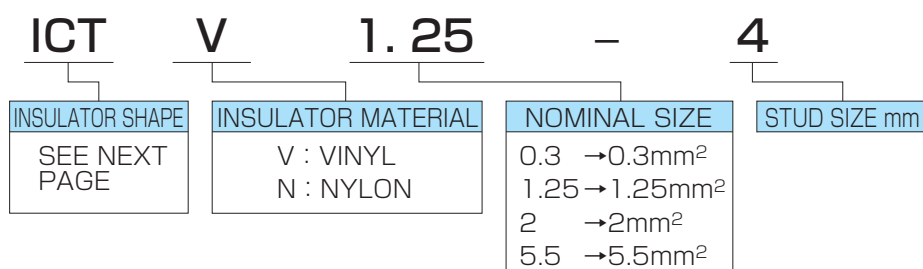
Strip length should be approx. 2mm longer than crimp barrel length. (Conductor should come out 1mm from crimp barrel.)

NYLON PRODUCTS

- Due to a greater water absorption rate than vinyl, keep unused parts in closed container.

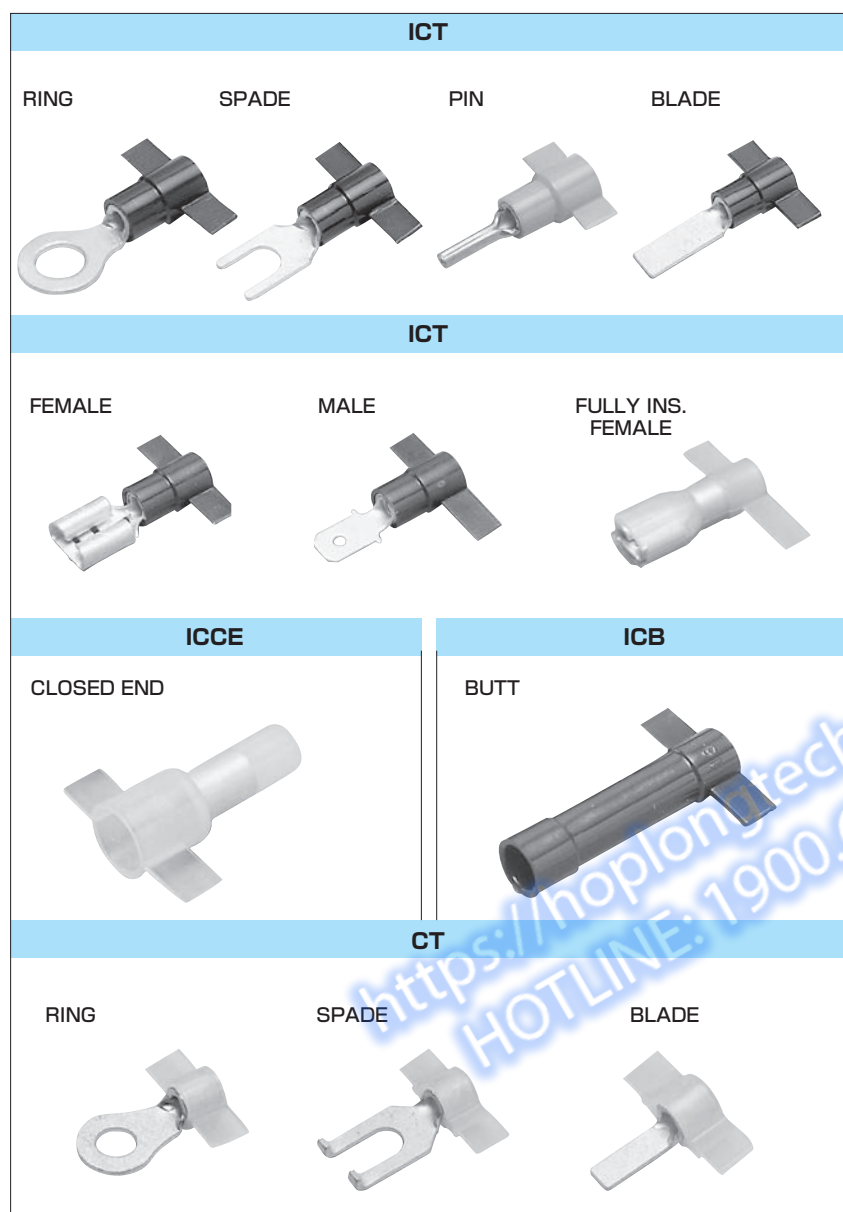
- More than 0.5mm² wire is required for Red Nylon terminal.

STRUCTURE OF OUR PART NUMBER



INSULATED CHAIN TERMINALL (ICT)

■ ICT PART NUMBER AND SHAPE



■ ICT (Insulated Chain Terminal)

ICT Ring(R), Spade(Y), Pin(TC), Blade (BT)

■ ICT Disconnects

ICT Female, Male, Fully Insulated Female Disconnect

■ ICCE Closed End

■ ICB Butt

■ CT (Non-insulated Chain Terminal)

Non-insulated terminals are connected with plastic carriers which brake open when crimped. CT Ring(R), Spade(Y), Blade (BT)

■ CROSS REFERENCE BETWEEN ICT P/N AND JIS P/N.

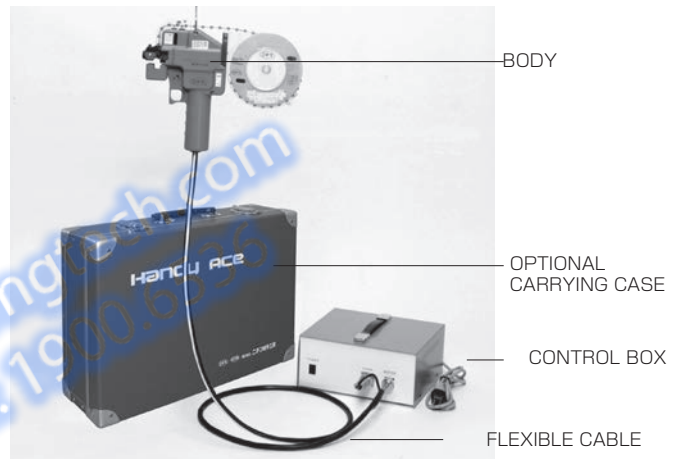
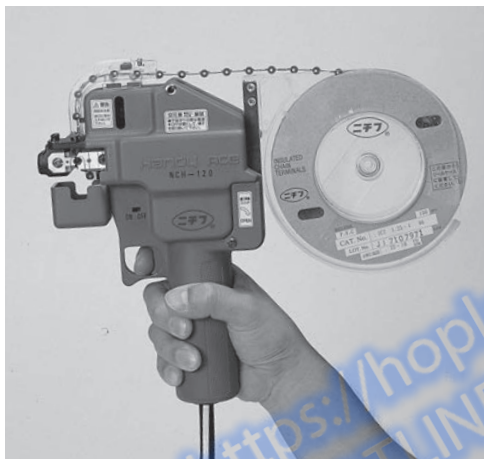
(EXAMPLE)

MATERIAL OF INSULATOR	ICT P/N	JIS	
		SYMBOL	NOMINAL SIZE
VINYL	ICTV1.25-3	RB	RBA1.25-3
NYLON	ICTN1.25-3		RBC1.25-3

HANDY ACE

FEATURES

- The HANDY ACE is designed to automatically feed the next terminal into crimping position, creating a perfect crimp every time.
- Powered by standard 100V (AC) electric outlet (240V AVAILABLE BY SPECIAL ORDER), the HANDY ACE can be used anywhere where there is an electric outlet, in the factory, home, garage, etc.
- The HANDY ACE is compact and portable, allowing the operator to crimp in cabinet, on the assembly line, or on short leads.
- Crimps by the HANDY ACE are UL and CSA approved.
- The HANDY ACE is so easy to operate that a minimally trained operator can create perfect crimps simply by pulling the trigger. There's no need to hold the terminal or use great manual strength to crimp as with a conventional ratchet tool.
- The HANDY ACE and ICT allow for semi-automatic, continuous crimping for improved productivity.
- CE marking model is also available.
- A light installed near the crimping dies improves visibility even in the dark.
- One reel contains 100 pcs. for 1.25mm² (AWG 22-16, Red) and 2mm² (AWG 16-14, Blue) terminals and 50pcs for 5.5mm² (AWG 12-10 Yellow). Even small crimping jobs are economical with the easy-to-replace reels.
- Can be hung with optional kit at production line.



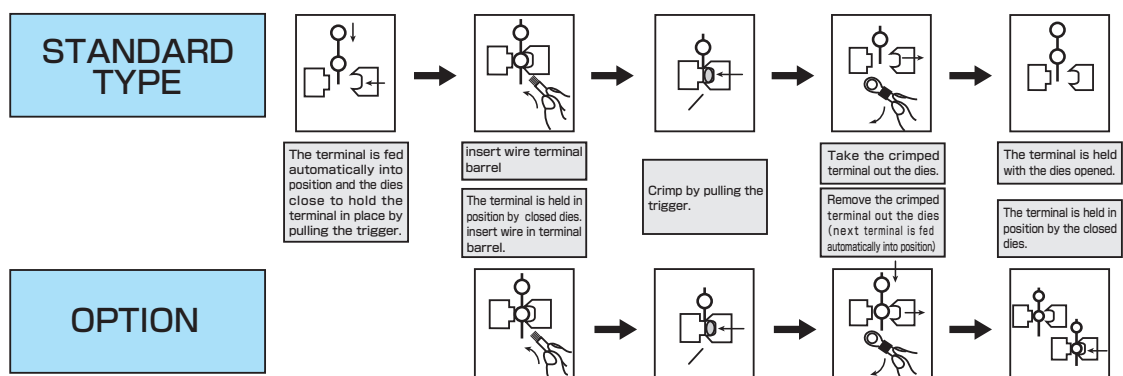
BODY

	NCH 120	NCH 150
OUTPUT	8KN	12KN
CABLE LENGTH	2m · (3m available)	
CRIMP CYCLE	1.9 Sec.	3.0 Sec.
BODY WEIGHT	1.5kg	1.8kg
BODY DIMENSIONS mm	H250×W160×D70	
REEL CASSET WEIGHT	0.1kg	
REEL CASSET DIMENSIONS mm	H120 × W140 × D50	
CRIMP STROKE	10mm	13mm

CONTROL BOX

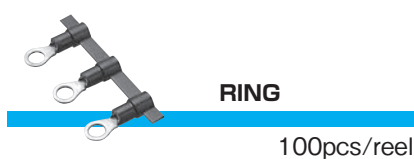
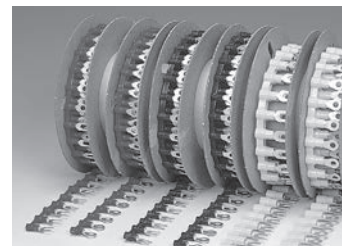
ELECTRIC CONSUMPTION	AC100V/100W
WEIGHT	7.0kg
DIMENSIONS mm	H120 × W260 × D210

CRIMP CYCLE



HANDY ACE

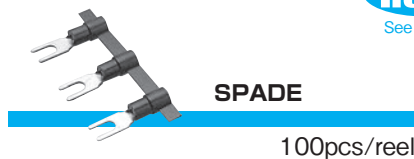
■ ICT TERMINALS FOR HANDY ACE



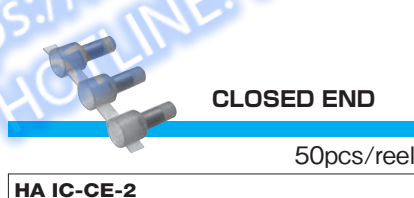
HA ICTV	0.3-2	
	0.3-3	
	0.3-3N	
	0.3-3.5	
	0.3-4	
	0.3-5	
HA ICTV	1.25-3 (RBA 1.25-3)	●
	1.25-3S	○
	1.25-3.5 (RBA 1.25-3.5)	●
	1.25-3.5S	○
	1.25-3.5M	○
	1.25-4M	○
	1.25-4 (RBA 1.25-4)	●
	1.25-5 (RBA 1.25-5)	●
	1.25-6	○
	1.25-8	○
HA ICTV	2-3	○
	2-3S	○
	2-3.5 (RBA 2-3.5)	●
	2-4S	○
	2-4 (RBA 2-4)	●
	2-5 (RBA 2-5)	●
	2-6 (RBA 2-6)	●
	2-8 (RBA 2-8)	●

HA ICTV	5.5-4S	○
	5.5-4 (RBA 5.5-4)	●
	5.5-5S	○
	5.5-5 (RBA 5.5-5)	●
	5.5-6 (RBA 5.5-6)	●

50pcs/reel



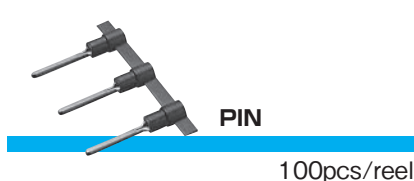
HA ICTV	0.3Y-2	
	0.3Y-3	
	0.3Y-3.5N	
	0.3Y-4N	
	0.3Y-5	
	1.25Y-3K	○
HA ICTV	1.25Y-3	○
	1.25Y-3N	○
	1.25Y-3L	○
	1.25Y-3S	○
	1.25Y-3.5K	○
	1.25Y-3.5	○
	1.25Y-4N	○
	1.25Y-4S	○
HA ICTV	2Y-3	○
	2Y-3.5S	○
	2Y-3.5	○
	2Y-3.5L	○
	2Y-4N	○
	2Y-4S	○
	2Y-4	○
	2Y-5	○



HA ICTDV	480509-F
	480809-F
HA ICTDV	480520-F
	480820-F

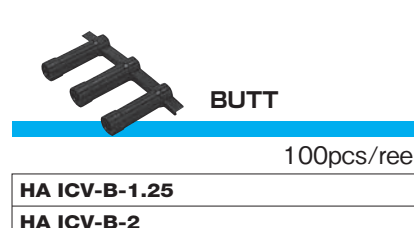


HA ICTDN	480509-FA
	480809-FA
HA ICTDN	480520-FA
	480820-FA



HA ICTV	TC-1.25-11	
	TC-1.25-11S	
	TC-1.25-16	
	TC-1.25-16S	
HA ICTV	TC-2-11	
	TC-2-11S	
	TC-2-16	
	TC-2-16S	

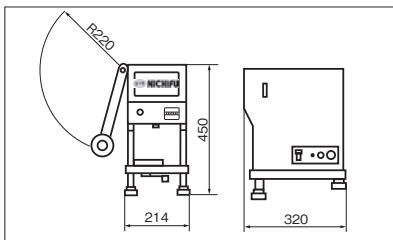
● JIS · UL · CSA
○ UL · CSA
※See page 92~100 for dimensions.



■ ICT & HANDY ACE CHART

HANDY ACE P/N	ICT SHAPE	NOMINAL SIZE	NOTE
NCH 120-03A	Ring · Spade	0.3mm ²	Miniature size only
NCH 120-11A	Ring · Spade	1.25mm ²	Changing the die enables you to crimp red or blue ICT terminal.
NCH 120-12A	Ring · Spade	2mm ²	
NCH 150-13A	Ring · Spade	5.5mm ²	Yellow only (wire 3.5mm ²)
NCH 150-14A	Ring · Spade	5.5mm ²	Yellow only
NCH 120-11T	Pin	1.25mm ²	Changing the die enables you to crimp red or blue ICT terminal.
NCH 120-12T	Pin	2mm ²	
NCH 120-4809F	DISCONNECT	1.25mm ²	Changing the die enables you to crimp red or blue ICT terminal.
NCH 120-4820F	DISCONNECT	2mm ²	
NCH 120-4809FA	DISCONNECT	1.25mm ²	Changing the die enables you to crimp red or blue ICT terminal.
NCH 120-4820FA	DISCONNECT	2mm ²	
NCH 120-11B	BUTT	1.25mm ²	Changing the die enables you to crimp red or blue ICT terminal.
NCH 120-12B	BUTT	2mm ²	
NCH 150-12CE	CE 2	2mm ²	CE 2 only

ICT PNEUMATIC CRIMPING MACHINE (NCA 100)



ICT pneumatic crimper NCA-100 is designed to automatically feed the next terminal into proper crimping position. Efficient and quality crimping can be obtained.

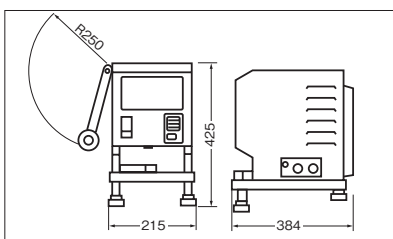
■ FEATURES

- Compressed air supply and electricity are required.
- Applicator to be changed depend wire size. Replaceable by one touch. ICT range is ICT0.3 ~ ICT5.5 insulated terminals, and CT range is covered for non-insulated terminals.
- Easy operation.
- CE-Marking model available upon request.

■ SPECIFICATIONS

ITEM	SPECIFICATION
PART NO.	NCA100
APPLICABLE TERMINALS	ICT0.3~ICT5.5 and CT1.25 ~CT5.5
OUTPUT POWER	12KN
OPERATION	Foot S/W or Sensor
AIR COUPLER	1/4PF (Nitto P/N 20PM)
AIR PRESSURE	0.5MPa
AIR CONSUMPTION	5Nℓ /one crimp
CRIMP CYCLE	0.8sec./pc.
VOLTAGE	AC 100V ± 10%(220V/240V available.)
ELECTRIC CONSUMPTION	20W
WEIGHT	40kgs.

ICT ELECTRIC CRIMPING MACHINE (NCM 100)



Totally electric (No compressed air needed.)

■ FEATURES

- With AC 100V, NCM100 can crimp ICT0.3 ~ 5.5 and CT1.25 ~ 5.5(non-insulated terminals).
- Applicator for ICT is placed on NCM100 with easy changeable mechanism.
- Easy operation.

■ SPECIFICATIONS

ITEM	SPECIFICATION
PART NO.	NCM100
APPLICABLE TERMINALS	ICT0.3~ICT5.5 and CT1.25~CT5.5
OUTPUT POWER	12KN
OPERATION	Foot S/W or Sensor
CRIMP CYCLE	0.8sec./pc.
VOLTAGE	AC 100V ± 10%
ELECTRIC CONSUMPTION	200W Max.
WEIGHT	39kgs.

APPLICATOR FOR NCA 100 • NCM 100



The applicator (NC-) can be used for both NCA 100 and NCM 100.

■ FEATURES

- The applicator consists feeder, carrier cutter and crimping system.
- Compact design.
- The dial adjusts the insulation crimp height.
- WEIGHT: 3.3kgs.

■ SPECIFICATIONS

ITEM	SPECIFICATION
TYPE	NC-
TERMINAL FEED	Rotor
CARRIER CUTTING	Insulator dies
WIRE CRIMP HEIGHT	No need to adjust
INSULATOR CRIMP HEIGHT	Adjust by the dial
WEIGHT	3.3kgs.

SHAPE OF TERMINAL	SIZE	MATERIAL OF INSULATOR	APPLICABLE TERMINAL	APPLICATOR P/N
INSULATED TERMINAL RING SPADE PIN BLADE	0.3	VINYL NYLON	ICTV 0.3, ICTN 0.3	NC 10A
	0.3		ICTV 1.25, ICTN 1.25	NC 11A2
	1.25		ICTV 1.25, ICTN 1.25	NC 11A
	2.0		ICTV 2, ICTN 2	NC 12A
	3.5		ICTV 5.5, ICTN 5.5	NC 13A2
	5.5		ICTV 5.5, ICTN 5.5	NC 13A
NON INSULATED TERMINAL RING SPADE BLADE	1.25	—	CT 1.25	NC 1A
	2.0	—	CT 2	NC 2A
	5.5	—	CT 5.5	NC 3A
NON INSULATED TERMINAL FLANGE (W)	1.25	—	CT 1.25Y-*W	NC 1AW
	2.0	—	CT 2Y-*W	NC 2AW
NON INSULATED TERMINAL PIN	1.25	—	CT TC-1.25-*	NC 1AC
	2.0	—	CT TC-2-*	NC 2AC
	5.5	—	CT TC-5.5-*	NC 3AC
CLOSED END	1.25	NYLON	IC CE-1	NC 14A
	2.0		IC CE-2	NC 15A
			IC CE-23	NC 17A
	5.5		IC CE-5	NC 16A
FEMALE DISCONNECT MALE DISCONNECT	0.5	VINYL	ICTDV 280509-F, ICTDV 280809-F	NC 11A2
	1.25		ICTDV 480509-F, ICTDV 480809-F	NC 11A
			ICTDV 630809-F, M	
	2.0		ICTDV 480520-F, M, ICTDV 480820-F	NC 12A
			ICTDV 630820-F, M	NC 13A2
	3.5		ICTDV 630855-F, M	
FULLY INSULATED FEMALE DISCONNECT	5.5		ICTDV 630855-F, M	NC 13A
	1.25	NYLON	ICTDEN 280509-FA, ICTDEN 280809-FA	NC 11JN
			ICTDN 480509-FA, ICTDN 480809-FA	NC 11EN
			ICTDN 630809-FA	NC 11FN
	2.0		ICTDN 480520-FA, ICTDN 480820-FA	NC 12EN
			ICTDN 630820-FA	NC 12FN
INSULATED BUTT	1.25	VINYL	ICV B-1.25	NC 11H
	2.0		ICV B-2	NC 12H
	5.5		ICV B-5.5	NC 13H

NCH100 for ICCE (Production Line Use)



NCH 100 is developed for production line of ICCE (Closed End).

■ FEATURES

- Easy wire insertion because the dies are located at visible area.
- Upon wire inserted, automatically crimped ICCE as the sensor catch the inserted wire.
- Optional vacuum system to remove the plastic scraps.
- A balancer if applied, the NCH 100 can be easily moved to the piece.

■ SPECIFICATION

ITEM	SPECIFICATION
TYPE	NCH100
APPLICABLE CLOSED END	ICCE-1 ~ ICCE-5 (See below)
OUTPUT POWER	8KN
CRIMP STROKE	20mm
AIR PRESSURE	0.5MPa
AIR CONSUMPTION	2Nl /one crimp
CRIMP CYCLE	1.5sec./pc.
WEIGHT	3.2kgs.

● CONTROL BOX

ITEM	SPECIFICATION
OPERATION	SENSOR or FOOT S/W
WIRE SENSOR	INFRARED SENSOR
AIR COUPLER	1/4PT
VOLTAGE	AC 100V
ELECTRIC CONSUMPTION	25W
DIMENSIONS	W300×D230×H140(mm)
WEIGHT	6kgs.

● TYPE NO.

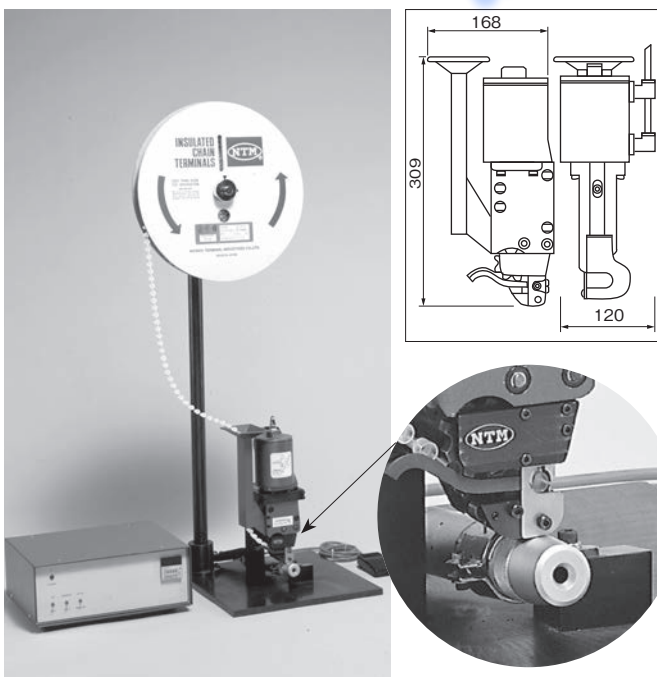
APPLICABLE ICCE P/N	TYPE NO.
IC CE-1	NCH 100-14A
IC CE-2	NCH 100-15A
IC CE-23	NCH 100-17A
IC CE-5	NCH 100-16A

■ OPTIONAL EQUIPMENT

- P/N H100-01 Vacuum accessory for insulated plastic scrap.
 - * Connect to control box
- P/N H100-02 4-Digit counter for number of pieces crimped.

■ With stranded wire twister (H-1000)

The twister (H 1000) can be installed by the dies for easier insertion of wire into ICCEs.



INSULATED CHAIN TERMINAL (ICT) (R TYPE)

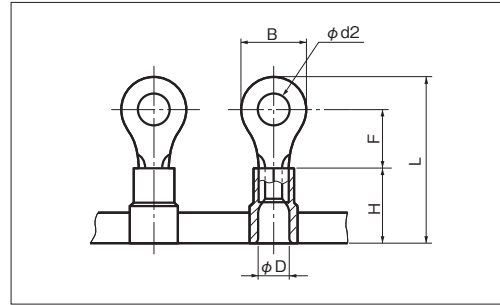
JIS C 2805



ICTV : Vinyl
ICTN : Nylon



■ ICT (RING)



PART NUMBER			DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	
			φ d2	B	L	F	H	φ D	STRANDED mm ²			AWG
ICTV ICTN	0.3-2	○	2.2	5.2	17.5	4.9	10.0	3.2	0.2~0.5 (0.3~0.5) UL・CSA USE	24-20 (22-20) UL・CSA USE	2,000	NC 10A
	0.3-3	○	3.2		17.5	4.9						
	0.3-3N	○	3.2		19.8	7.2						
	0.3-3.5	○	3.7	6.6	20.5							
	0.3-4	○	4.3									
	0.3-5	○	5.3	8.0	21.0	7.0						
ICTV ICTN	1.25-2	○	2.2	5.5	17.5	4.75	10.0	4.1	0.3~0.75 (NC12A2)	22-18	1,500	NC 11A2
	1.25-2S	○		5.7	17.4	4.55						
	1.25-3 (RB _C ^A 1.25-3)	●	3.2	5.5	17.5	4.75						
	1.25-3N	○		5.6	20.4	7.6						
	1.25-3S	○	5.7	17.4	4.55							
	1.25-3.5N	○	3.7	5.6	20.4	7.6						
	1.25-3.5S	○		5.7	17.4	4.55						
	1.25-3.5 (RB _C ^A 1.25-3.5)	●		6.6	18.8	5.5						
	1.25-3.5M	○		6.8	19.4	6.0						
	1.25-3.5L	○	8.0	21.1	7.1							
	1.25-4M	○	4.3	6.8	19.4	6.0						
	1.25-4 (RB _C ^A 1.25-4)	●		8.0	21.1	7.1						
	1.25-5 (RB _C ^A 1.25-5)	●	5.3	12.0	25.7	9.7						
	1.25-6	○	6.4									
1.25-8	○	8.4										
ICTV ICTN	2-2	○	2.2	6.5	18.2	4.95	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A
	2-3N	○	3.2	5.6	20.4	7.6						
	2-3S	○		5.7	17.8	4.95						
	2-3	○		6.5	18.2							
	2-3.5N	○	3.7	5.6	20.4	7.6						
	2-3.5NS	○		6.5	18.2	4.95						
	2-3.5 (RB _C ^A 2-3.5)	●		6.6	19.9	6.6						
	2-3.5S	○		6.6	20.9	7.6						
	2-3.5M	○	8.0	21.5	7.5							
	2-4S	○	4.3	6.6	19.9	6.6						
	2-4 (RB _C ^A 2-4)	●		8.5	22.0	7.75						
	2-4M	○		8.0	21.5	7.5						
	2-5M	○	5.3	9.5	22.5	7.75						
	2-5 (RB _C ^A 2-5)	●										
	2-6 (RB _C ^A 2-6)	●	6.4	12.0	27.0	11.0						
	2-8 (RB _C ^A 2-8)	●	8.4									
	2-10	○	10.5	15.0	30.0	12.5						

- NOTE 1) ● : JIS, UL·CSA ○ : UL·CSA △ : UL INSULATOR MATERIAL [V] : VINYL [N] : NYLON
 2) Refer to page 85 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.
 3) JIS part no. is shown in parenthesis.
 4) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

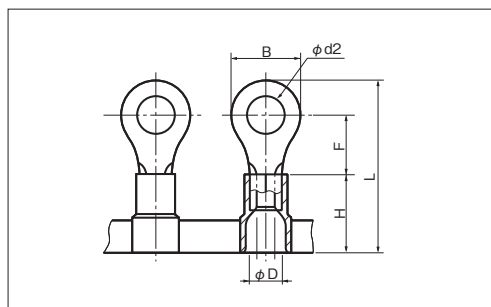
INSULATED CHAIN TERMINAL (ICT) (R TYPE)

JIS C 2805

RoHS
See page 2

RoHS
Yellow Nylon
See page 2

ICTV : Vinyl
ICTN : Nylon



PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR														
		φd2	B	L	F	H	φD	STRANDED mm ²	AWG																
ICTV ICTN	5.5-3M ○	3.2	6.5	24.45	7.2	14.0	6.8	2.63~4.6 (NC13A2)	12	1,000	NC 13A2														
	5.5-3N ○		7.0	24.7																					
	5.5-3S ○		9.0	25.7																					
	5.5-3.5N ○	3.7	7.0	24.7																					
	5.5-3.5S ○		9.0	25.7																					
	5.5-3.5 ○		9.5	27.0	8.25																				
	5.5-4N ○	4.3	7.0	24.7	4.6~6.64 (NC13A)			10			NC 13A														
	5.5-4S ○		9.0	25.7																					
	5.5-4(RB ^Δ 5.5-4) ●		9.5	27.0																					
	5.5-5N ○	5.3	8.0	25.2								14.0													
	5.5-5S ○		9.0	25.7																					
	5.5-5(RB ^Δ 5.5-5) ●		9.5	27.0																					
	5.5-6(RB ^Δ 5.5-6) ●	6.4	12.0	30.5															14.0						
	5.5-8(RB ^Δ 5.5-8) ●	8.4	15.0	35.5																					
	5.5-10(RB ^Δ 5.5-10) ●	10.5																							

NOTE 1) ● : JIS, UL·CSA ○ : UL·CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 85 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

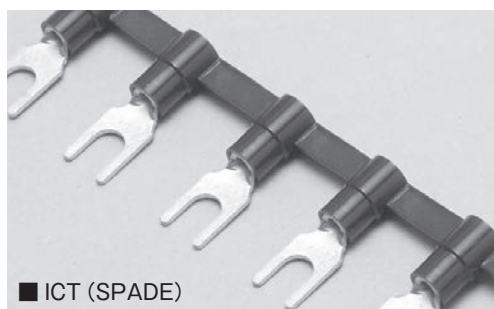
3) JIS part no. is shown in parenthesis.

4) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

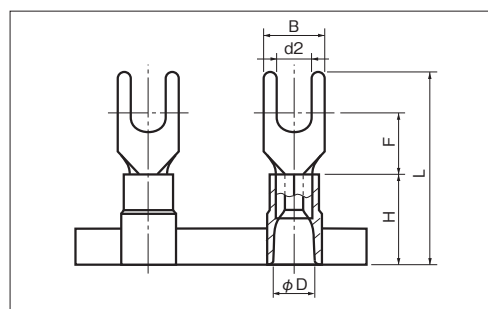
INSULATED CHAIN TERMINAL (ICT) (Y TYPE)



ICTV : Vinyl
ICTN : Nylon



■ ICT (SPADE)



PART NUMBER			DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	
			φd2	B	L	F	H	φD	STRANDED mm ²			AWG
ICTV ICTN	0.3Y-2	○	2.2	5.2	17.5	4.9	10.0	3.2	0.2~0.5 (0.3~0.5) UL・CSA USE	24-20 (22-20) UL・CSA USE	2,000	NC 10A
	0.3Y-3	○	3.2		5.8	6.6						
	0.3Y-3.5N	○	3.7	5.8	6.6							
	0.3Y-4N	○	4.3	6.4	7.0							
	0.3Y-5	○	5.3	8.0	21.0	7.0						
ICTV ICTN	1.25Y-2.5	○	2.7	4.7	17.2	5.1	10.0	4.1	0.3~0.75 (NC11A2)	22-18	1,500	NC 11A2
	1.25Y-3K	○	3.2	5.6	20.5	5.8						
	1.25Y-3	○		5.8	21.5	6.6						
	1.25Y-3N	○	3.7	5.6	20.5	5.8						
	1.25Y-3.5K	○		5.8	21.5	6.8						
	1.25Y-3.5	○		6.2	21.9	7.6						
	1.25Y-3L	○	4.3	6.4	21.9	7.6						
	1.25Y-4N	○		7.0	22.0	7.5						
	1.25Y-4S	○		8.1	23.0	8.3						
	1.25Y-4M	○	5.3	9.6	23.0	8.3						
	1.25Y-4L	○		6.4	24.5	8.6						
	ICTV ICTN	2Y-3	○	3.2	5.9	21.3			6.6	10.0	4.5	1.04~2.63
2Y-3.5S		○	3.7	5.8	7.6							
2Y-3.5		○	4.3	6.4	21.5	7.0						
2Y-3.5L		○		7.0	22.6	8.7						
2Y-4N		○	5.3	8.0	21.5	7.1						
2Y-4S		○		10.0	22.6	8.7						
2Y-4		○		10.0	23.5	8.5						
2Y-4M		○	6.4	12.0	24.5	8.6						
2Y-5		○		8.4	27.5	11.5						
2Y-5M		○	4.3	8.4	25.7	7.2						
2Y-5L		○		9.0								
2Y-6		○	5.3	12.5	32.7	12.0						
2Y-8		○	6.4									
ICTV ICTN	5.5Y-4S	○	4.3	8.4	25.7	7.2	14.0	6.8	2.63~4.6 (NC13A2)	12	1,000	NC 13A2
	5.5Y-4	○		9.0								
	5.5Y-5	○	5.3						4.6~6.64 (NC13A)	10	NC 13A	
	5.5Y-6	○	6.4									

NOTE 1) ○ : UL·CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 85 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

INSULATED CHAIN TERMINAL (ICT) (Y TYPE)

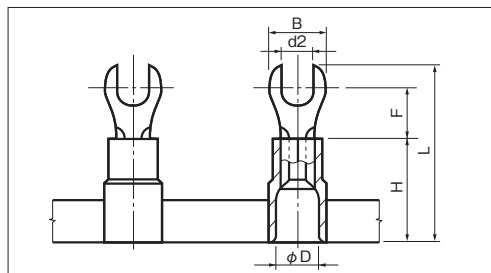
RoHS

See page 2

ICTV : Vinyl
ICTN : Nylon



■ ICT (SPADE)



PART NUMBER			DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR
			d2	B	L	F	H	ϕD	STRANDED mm²	AWG		
ICTV ICTN	1.25Y-3S	○	3.2	5.7	17.4	4.8	10.0	4.1	0.3~0.75	22-18	1,500	NC 11A2 NC 11A
										0.5~1.65		

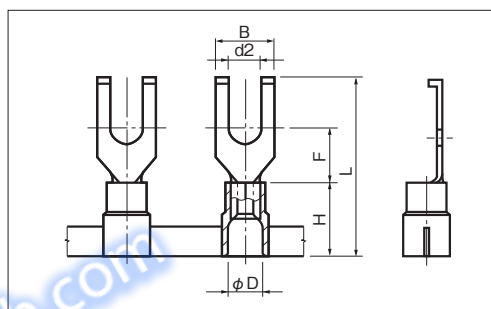
RoHS

See page 2

ICTV : Vinyl
ICTN : Nylon



■ ICT (FLANGE)



PART NUMBER			DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR
			d2	B	L	F	H	φD	STRANDED mm ²	AWG		
ICTV ICTN	1.25Y-3W	○	3.7	7.7	19.5	5.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A
	1.25Y-4W	○	4.3									
	1.25Y-5W	○	5.3									
ICTV ICTN	2Y-3W	○	3.7	8.0	24.0	7.3	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A
	2Y-4W	○	4.3									
	2Y-5W	○	5.3									

RoHS

See page 2

RoHS

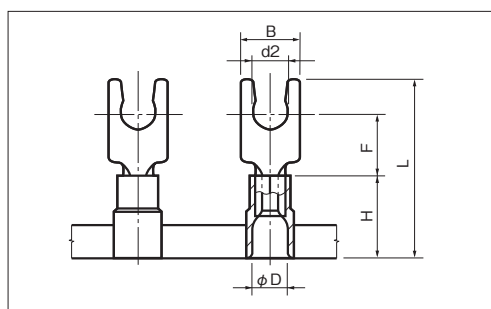
Yellow Nylon

See page 2

ICTV : Vinyl
ICTN : Nylon



■ ICT (LOCKING SPADE)



PART NUMBER			DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR	
			d2	B	L	F	H	ϕD	STRANDED mm²			AWG
ICTV ICTN	1.25LY-3S	○	3.2	6.4	19.5	6.6	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A
	1.25LY-3.5S	○	3.7									
	1.25LY-4S	○	4.3	7.1	21.5	7.6						
	1.25LY-5S	○	5.3	8.4	22.5	8.5						
ICTV ICTN	2LY-3S	○	3.2	6.4	19.5	6.6	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A
	2LY-3.5S	○	3.7									
	2LY-4S	○	4.3	7.1	21.5	7.6						
	2LY-5S	○	5.3	8.4	22.5	8.5						
ICTV ICTN	5.5LY-3.5S	○	3.7	7.9	25.7	7.6	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A
	5.5LY-4S	○	4.3									
	5.5LY-5S	○	5.3									

NOTE 1) ○ : UL-CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 85 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

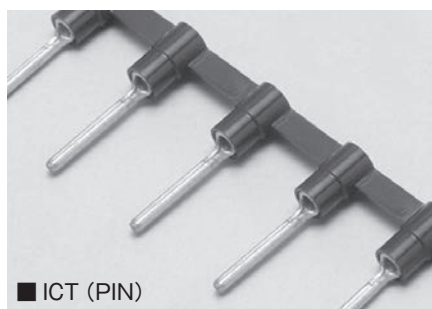
3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

INSULATED CHAIN TERMINAL (ICT)

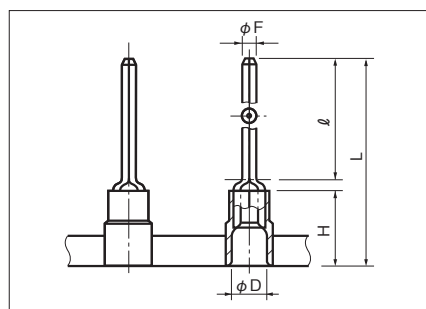
(TC TYPE)
(BT TYPE)



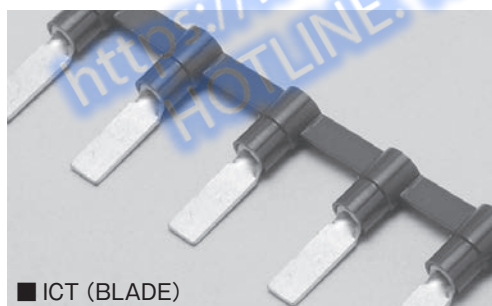
ICTV : Vinyl
ICTN : Nylon



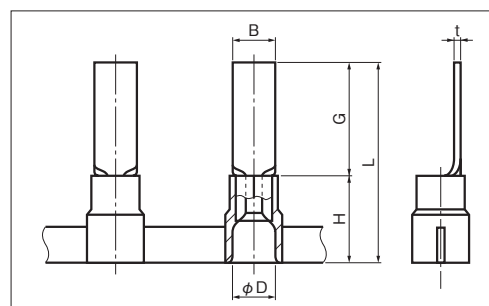
■ ICT (PIN)



PART NUMBER			DIMENSIONS mm					WIRE RANGE		QTY/REEL	APPLICATOR
			ϕF	ℓ	L	H	ϕD	STRANDED mm ²	AWG		
ICTV ICTN	TC-0.3-9.5	○	1.0	9.5	20.8	10.0	3.2	0.2~0.5 (0.3~0.5) UL・CSA USE	24-20 (22-20) UL・CSA USE	2,000	NC 10A
ICTV ICTN	TC-1.25-11	○	1.9	11.0	23.0	10.0	4.1	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A
	TC-1.25-11S	○	1.5								
	TC-1.25-16	○	1.9	16.0	27.5						
	TC-1.25-16S	○	1.5								
	TC-1.25-20	○	1.9	20.0	31.5						
	TC-1.25-20S	○	1.5								
ICTV ICTN	TC-2-11	○	1.9	11.0	23.0	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A
	TC-2-11S	○	1.5								
	TC-2-16	○	1.9	16.0	27.5						
	TC-2-16S	○	1.5								
	TC-2-20	○	1.9	20.0	31.5						
	TC-2-20S	○	1.5								
ICTV ICTN	TC-5.5-11	○	2.7	11.0	28.5	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A



■ ICT (BLADE)



ICTV : Vinyl
ICTN : Nylon

PART NUMBER		DIMENSIONS mm						WIRE RANGE		QTY/REEL	APPLICATOR
		B	t	L	G	H	φD	STRANDED mm ²	AWG		
ICTV ICTN	BT 1.25-9-1	2.2	0.7	19.0	9.0	10.0	4.1	0.3~0.75	22-18	1,500	NC 11A2
	BT 1.25-9 ○	2.8		19.1	9.1						
	BT 1.25-10-1 ○	2.2		20.5	10.5						
	BT 1.25-10 ○	3.4		20.3	10.3						
	BT 1.25-11 ○	3.0		21.2	11.2			0.5~1.65	20-16		NC 11A
	BT 1.25-14 ○			24.6	14.6						
	BT 1.25-18			2.2	28.5						
ICTV ICTN	BT 2-9-1	2.2	0.85	19.0	9.0	10.0	4.5	1.04~2.63	16-14	1,500	NC 12A
	BT 2-9 ○	2.8		19.1	9.1						
	BT 2-13	4.6		23.0	13.0						
	BT 2-18	2.2		28.5	18.5						
ICTV ICTN	BT 5.5-10 ○	2.8	0.95	24.0	10.0	14.0	6.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A
	BT 5.5-13 ○	4.5		27.0	13.0						
	BT 5.5-18			32.0	18.0						

Nylon (ICTNBT) is not UL/CSA

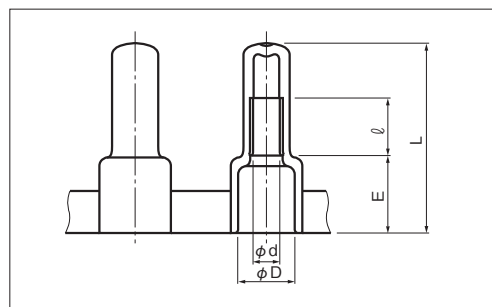
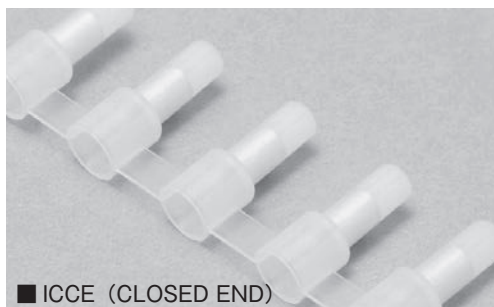
Note 1) ○ : UL·CSA △ : UL

2) Refer to page 85 for UL/CSA, insulator material/color, proper strip length of wire and Nylon insulated products.

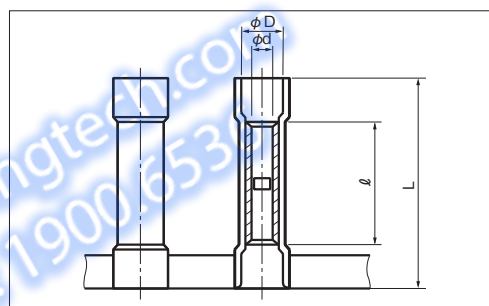
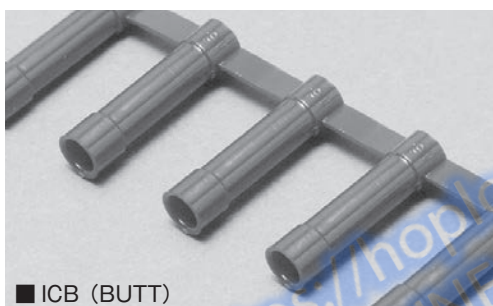
3) Applicator shall be selected by wire range. (NC 11A2/NC 11A) (NC 13A2/NC 13A)

INSULATED CHAIN TERMINAL (ICT) (CE TYPE) (B TYPE)

JIS C 2807



PART NUMBER		DIMENSIONS mm					WIRE RANGE		QTY/REEL	INSULATOR	APPLICATOR
		ϕd	ϕD	L	ℓ	E	STRANDED mm ²	AWG			
IC CE-1	●	2.4	6.7	21.0	6.2	8.8	0.5~1.75	22-16	1,000	NYLON	NC 14A
IC CE-2	●	3.3	8.2	22.0	6.9	9.6	1.0~3.0	16-14	1,000	NYLON	NC 15A
IC CE-23	○	3.3	6.9	23.0	6.9	9.6	1.0~3.0	16-14	1,000	NYLON	NC 17A
IC CE-5	●	3.9	9.2	28.0	7.2	10.8	2.5~6.0	12-10	600	NYLON	NC 16A



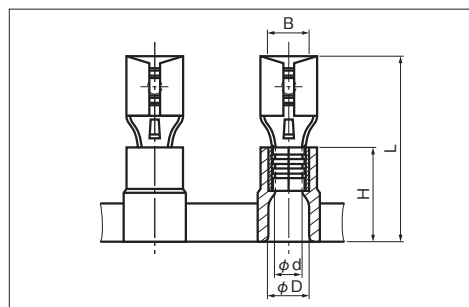
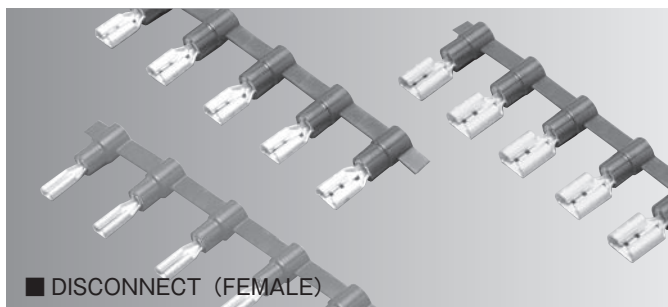
PART NUMBER		DIMENSIONS mm				WIRE RANGE		QTY/REEL	APPLICATOR
		ϕd	ϕD	ℓ	L	STRANDED mm ²	AWG		
ICV B-1.25	△	1.7	3.8	15.0	25.5	0.3~1.65	22-16	1,500	NC 11H
ICV B-2		2.3	4.5	15.0	25.5	1.04~2.63	16-14	1,500	NC 12H
ICV B-5.5		3.5	6.4	15.0	27.5	2.63~6.64	12-10	1,000	NC 13H

Only vinyl insulation is available

NOTE1) ● : JIS·UL·CSA ○ : UL·CSA △ : UL

2) Refer to page 85 for UL/CSA and Nylon products.

INSULATED CHAIN TERMINAL (ICT) (DISCONNECTS)



ICTDV : Vinyl

■ FEMALE DISCONNECT .110 SERIES

PART NUMBER		DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
		B	L	φd	φD	H		STRANDED mm ²	AWG		
ICTDV 280509-F ○		3.2	19.5	2.0	4.1	10.0	0.5	0.3~0.75	22-18	1,500	NC 11A2 NC 11A
							0.8	0.5~1.65	20-16		

■ FEMALE DISCONNECT .187 SERIES

PART NUMBER		DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
		B	L	φd	φD	H		STRANDED mm ²	AWG		
ICTDV 480509-F ○		5.0	19.5	1.8	4.1	10.0	0.5	0.3~0.75	22-18	1,500	NC 11A2 NC 11A
							0.8	0.5~1.65	20-16		
ICTDV 480520-F ○		5.0	19.5	2.4	4.5	10.0	0.5	1.04~2.63	16-14	1,500	NC 12A
							0.8				

■ FEMALE DISCONNECT .250 SERIES

PART NUMBER		DIMENSIONS mm					MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
		B	L	φd	φD	H		STRANDED mm ²	AWG		
ICTDV 630809-F ○		6.8	21.0	1.7	4.1	10.0	0.8	0.3~0.75	22-18	1,500	NC 11A2 NC 11A
								0.5~1.65	20-16		
ICTDV 630820-F ○		6.8	21.0	2.3	4.5	10.0	0.8	1.04~2.63	16-14	1,500	NC 12A
ICTDV 630855-F ○		6.8	25.0	3.5	6.8	14.0	0.8	2.63~4.6	12	1,000	NC 13A2 NC 13A
								4.6~6.64	10		

NOTE1) ○ : UL·CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 85 for UL/CSA and proper strip length of wire.

3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

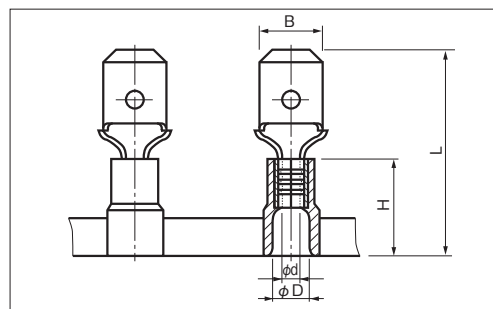
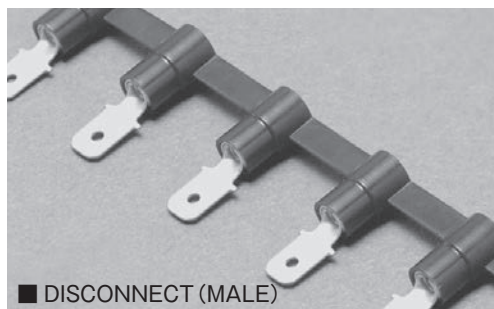
INSULATED CHAIN TERMINAL (ICT) (DISCONNECTS)

RoHS

See page 2

ICTDV : Vinyl

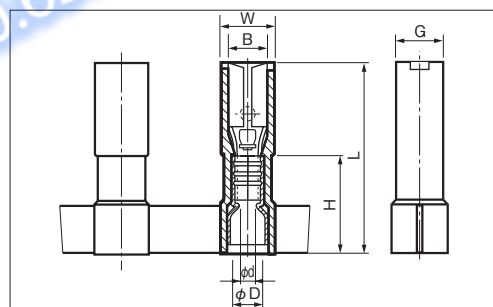
■ MALE DISCONNECT .187 SERIES



PART NUMBER	DIMENSIONS mm					TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
	B	L	φd	φD	H		STRANDED mm ²	AWG		
ICTDV 480520-M ○	4.8	19.5	2.3	4.5	10.0	0.5	1.04~2.63	16-14	1,500	NC 12A

■ MALE DISCONNECT .250 SERIES

PART NUMBER	DIMENSIONS mm					TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
	B	L	φd	φD	H		STRANDED mm ²	AWG		
ICTDV 630809-M ○	6.35	21.0	1.85	4.1	10.0	0.8	0.3~0.75 0.5~1.65	22-18 20-16	1,500	NC 11A2 NC 11A
ICTDV 630820-M ○	6.35	21.0	2.55	4.5	10.0	0.8	1.04~2.63	16-14	1,500	NC 12A
ICTDV 630855-M ○	6.35	25.0	3.65	6.8	14.0	0.8	2.63~4.6 4.6~6.64	12 10	1,000	NC 13A2 NC 13A



RoHS

See page 2

ICTDN : Nylon

■ FULLY INS. FEMALE DISCONNECT .110 SERIES

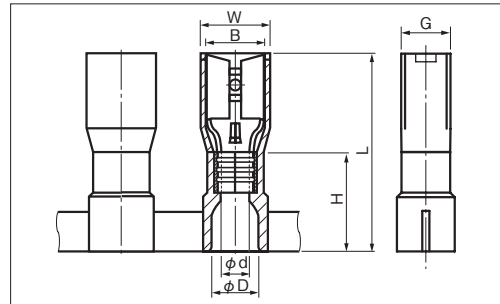
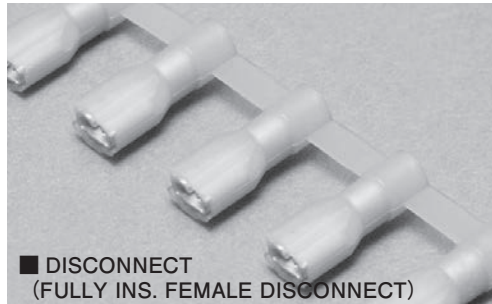
PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
	B	W	L	φd	φD	H	G		STRANDED mm ²	AWG		
ICTDEN 280509-FA ○	3.2	5.5	19.5	1.9	3.4	10.0	4.8	0.5	0.3 1.25	22-16	1,500	NC 11JN
ICTDEN 280809-FA ○								0.8				

NOTE 1) ○ : UL-CSA INSULATOR MATERIAL [V] : VINYL [N] : NYLON

2) Refer to page 85 for UL/CSA, proper strip length of wire and Nylon insulated products.

3) Applicator shall be selected by wire range. (NC11A2/NC11A) (NC13A2/NC13A)

INSULATED CHAIN TERMINAL (ICT) (DISCONNECTS)

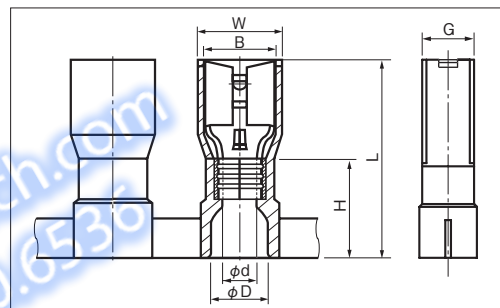


RoHS
See page 2

ICTDN : Nylon

■ FULLY INS. FEMALE DISCONNECT .187 SERIES

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
	B	W	L	ϕd	ϕD	H	G		STRANDED mm ²	AWG		
ICTDN 480509-FA ○	5.0	7.2	19.5	1.8	4.1	9.8	4.85	0.5	0.3	22-16	1,500	NC 11EN
ICTDN 480809-FA ○								0.8	1.25			
ICTDN 480520-FA ○	5.0	7.2	19.5	2.4	4.5	9.8	5.6	0.5	1.04	16-14	1,500	NC 12EN
ICTDN 480820-FA ○								0.8	2.63			



RoHS
See page 2

ICTDN : Nylon

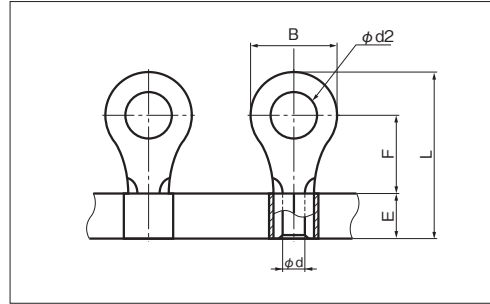
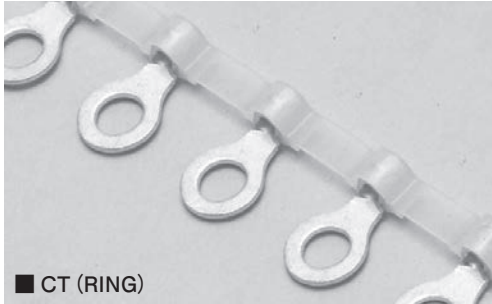
■ FULLY INS. FEMALE DISCONNECT .250 SERIES

PART NUMBER	DIMENSIONS mm							MATING TAB THICKNESS mm	WIRE RANGE		QTY/REEL	APPLICATOR
	B	W	L	ϕd	ϕD	H	G		STRANDED mm ²	AWG		
ICTDN 630809-FA ○	6.8	8.9	21.0	1.7	4.1	9.8	5.5	0.8	0.3~1.25	22-16	1,000	NC 11FN
ICTDN 630820-FA ○				2.3	4.5			0.8	1.04~2.63	16-14		

NOTE 1) ○ : UL·CSA

2) Refer to page 85 for UL/CSA, proper strip length of wire and Nylon insulated products.

NON-INSULATED CHAIN TERMINAL (CT) (R TYPE)

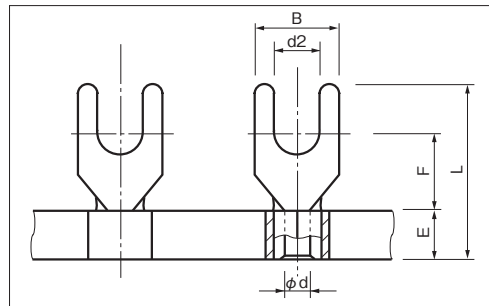
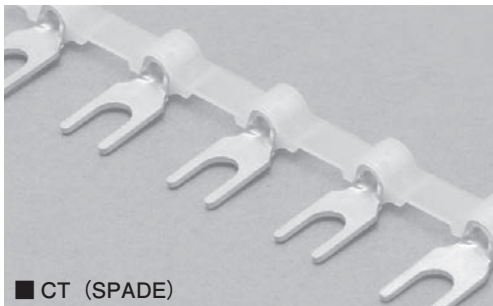


PART NUMBER		DIMENSIONS mm					WIRE RANGE			QTY/REEL	APPLICATOR	
		ϕ d2	B	L	F	E	ϕ d	SOLID mm	STRANDED mm²			AWG
CT	1.25-3	3.2	5.5	12.0	4.75	4.5	1.7	0.57 1.44	0.25 1.65	22-16	1,500	NC 1A
	1.25-3S		5.7	11.9	4.55							
	1.25-3.5N	3.7	5.6	14.9	7.6							
	1.25-3.5S		5.7	11.9	4.55							
	1.25-3.5		6.6	13.3	5.5							
	1.25-3.5M	4.3	6.8	13.9	6.0							
	1.25-4M		8.0	15.6	7.1							
	1.25-4	5.3	8.0	15.6	7.1							
	1.25-5	6.4	12.0	20.2	9.7							
	1.25-6	8.4	12.0	20.2	9.7							
1.25-8	8.4	12.0	20.2	9.7								
CT	2-3N	3.2	5.6	14.9	7.6	4.5	2.3	1.14 1.82	1.04 2.63	16-14	1,500	NC 2A
	2-3S		5.7	12.3	4.95							
	2-3		6.5	12.7	4.95							
	2-3.5N	3.7	5.6	14.9	7.6							
	2-3.5NS		6.5	12.7	4.95							
	2-3.5		6.6	14.4	6.6							
	2-3.5S	4.3	6.6	15.4	7.6							
	2-4S		6.6	14.4	6.6							
	2-4	8.5	16.5	7.75								
	2-5M	8.0	16.0	7.5								
	2-5	5.3	9.5	17.0	7.75							
	2-6	6.4	12.0	21.5	11.0							
	2-8	8.4	12.0	21.5	11.0							
2-10	10.5	15.0	24.5	12.5								
CT	5.5-3N	3.2	7.0	17.2	7.2	6.5	3.4	1.82 2.89	2.63 6.64	12-10	1,000	NC 3A
	5.5-3S		9.0	18.2								
	5.5-3.5N	3.7	7.0	17.2								
	5.5-4N	4.3	7.0	17.2								
	5.5-4S		9.0	18.2								
	5.5-4	9.5	19.5	8.25								
	5.5-5N	5.3	8.0	17.7	7.2							
	5.5-5S		9.0	18.2								
	5.5-5	9.5	19.5	8.25								
	5.5-6	6.4	12.0	23.0	10.5							
	5.5-8	8.4	15.0	28.0	14.0							
	5.5-10	10.5	15.0	28.0	14.0							

NOTE 1) ○ : UL·CSA

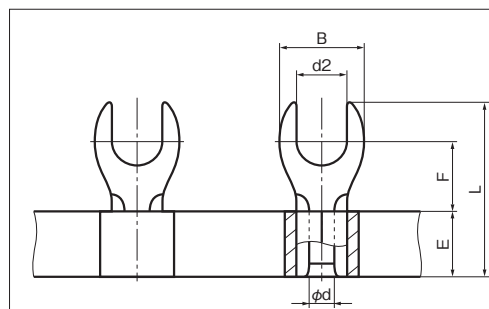
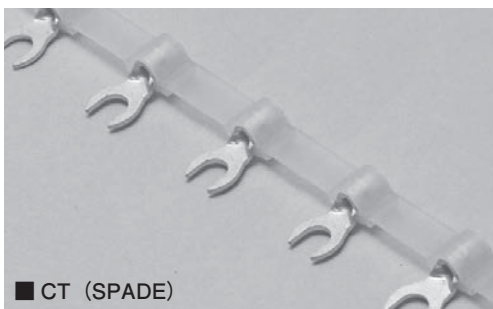
2) Refer to page 85 for UL/CSA and proper strip length of wire.

NON-INSULATED CHAIN TERMINAL (CT) (Y TYPE)



RoHS
See page 2

PART NUMBER		DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR		
		d2	B	L	F	E	ϕd	SOLID mm	STRANDED mm²	AWG				
CT	1.25Y-2.5	○	2.7	4.7	11.7	5.1	4.5	1.7	0.57 ∫ 1.44	0.25 ∫ 1.65	22-16	1,500	NC 1A	
	1.25Y-3K	○	3.2	5.6	20.5	5.8								
	1.25Y-3			5.8	15.0	6.6								
	1.25Y-3N	○			16.0									
	1.25Y-3.5K	○	3.7	5.6	20.5	5.8								
	1.25Y-3.5			5.8	15.0									
	1.25Y-3L	○		6.2	16.0									6.8
	1.25Y-4N	○	4.3	6.4	16.4	6.6								
	1.25Y-4S	○		7.0		7.6								
	1.25Y-4M	○		8.1		7.5								
	1.25Y-4L	○	5.3	9.6	17.5	8.3								
	1.25Y-5	○		6.4	11.0	20.0								8.6
	1.25Y-6	○												
CT	2Y-3	○	3.2	5.9	15.8	6.6	4.5	2.3	1.14 ∫ 1.82	1.04 ∫ 2.63	16-14	1,500	NC 2A	
	2Y-3.5S		3.7	5.8										7.6
	2Y-3.5	○		6.4										
	2Y-3.5L	○			6.6									
	2Y-4N	○	4.3	7.0	16.0	7.0								
	2Y-4S	○		8.0	7.1									
	2Y-4	○		10.0	17.1	8.7								
	2Y-4M	○	5.3	8.0	16.0	7.1								
	2Y-5	○		10.0	17.1	8.7								
	2Y-5M	○		12.0	18.0	8.5								
	2Y-5L	○	6.4		12.5	25.2								12.0
	2Y-6	○												
	CT	5.5Y-4S	○	4.3	8.4	18.2								7.2
5.5Y-4		○	9.0											
5.5Y-5		○	5.2	12.5	25.2	12.0								
5.5Y-6		○	6.4											



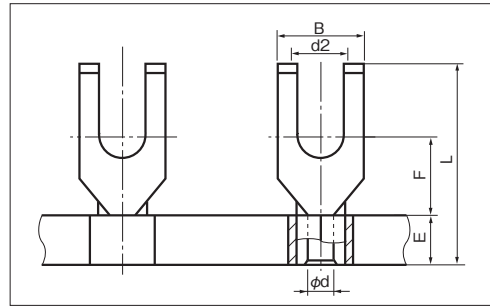
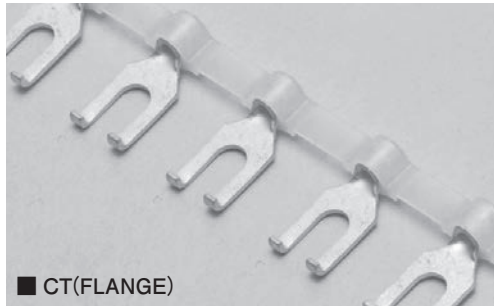
RoHS
See page 2

PART NUMBER		DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR
		d2	B	L	F	E	ϕd	SOLID mm	STRANDED mm ²	AWG		
CT 1.25Y-3S	○	3.2	5.7	11.9	4.8	4.5	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	1,500	NC 1A

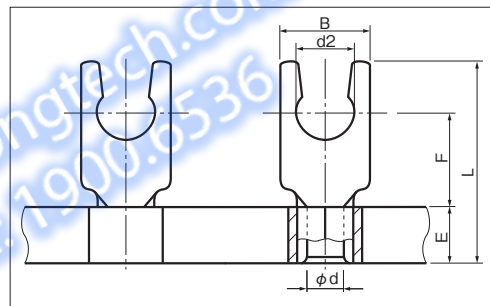
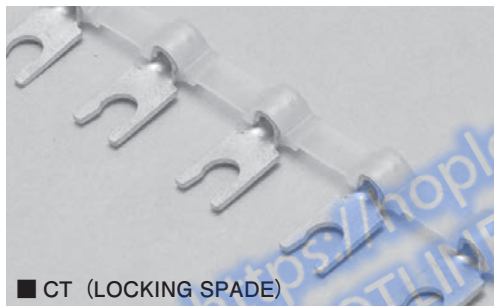
NOTE 1) ○ : UL-CSA

2) Refer to page 85 for UL/CSA and proper strip length of wire.

NON-INSULATED CHAIN TERMINAL (CT) (Y TYPE)



PART NUMBER		DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR
		d2	B	L	F	E	ϕd	SOLID mm	STRANDED mm ²	AWG		
CT	1.25Y-3W	○ 3.7	7.7	14.0	5.6	4.5	1.7	0.57	0.25	22-16	1,500	NC 1AW
	1.25Y-4W	○ 4.3						1.44	1.65			
	1.25Y-5W	○ 5.3										
CT	2Y-3W	○ 3.7	8.0	18.5	4.3	4.5	2.3	1.14	1.04	16-14	1,500	NC 2AW
	2Y-4W	○ 4.3						1.82	2.63			
	2Y-5W	○ 5.3										

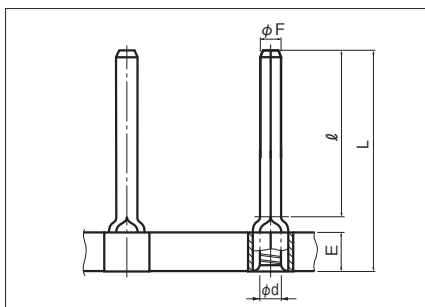
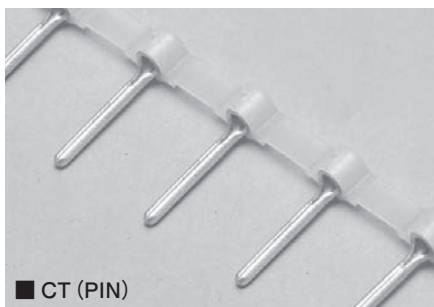


PART NUMBER		DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR
		d2	B	L	F	E	ϕd	SOLID mm	STRANDED mm ²	AWG		
CT	1.25LY-3S	○ 3.2	6.4	14.0	6.6	4.5	1.7	0.57	0.25	22-16	1,500	NC 1A
	1.25LY-3.5S	○ 3.7						1.44	1.65			
	1.25LY-4S	○ 4.3										
	1.25LY-5S	○ 5.3										
CT	2LY-3S	○ 3.2	6.4	14.0	6.6	4.5	2.3	1.14	1.04	16-14	1,500	NC 2A
	2LY-3.5S	○ 3.7						1.82	2.63			
	2LY-4S	○ 4.3										
	2LY-5S	○ 5.3										
CT	5.5LY-3.5S	○ 3.7	7.9	18.2	7.6	6.5	3.4	1.82	2.63	12-10	1,000	NC 3A
	5.5LY-4S	○ 4.3						2.89	6.64			
	5.5LY-5S	○ 5.3										

NOTE

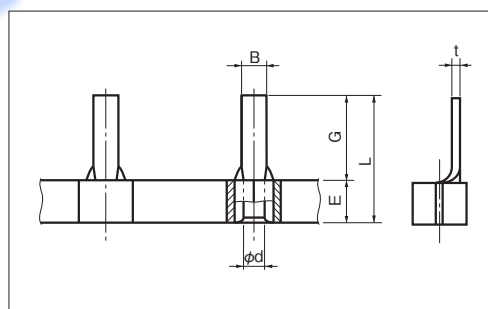
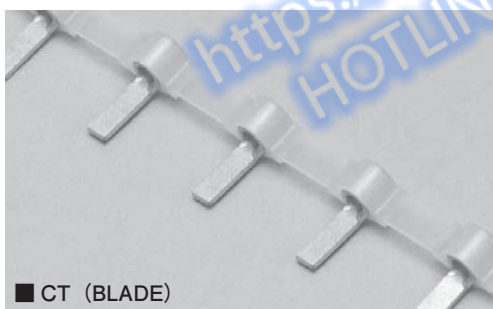
- : UL·CSA
- Refer to page 85 for UL/CSA and proper strip length of wire.

NON-INSULATED CHAIN TERMINAL (CT) (TC TYPE) (BT TYPE)



RoHS
See page 2

PART NUMBER		DIMENSIONS mm					WIRE RANGE			QTY/REEL	APPLICATOR	
		ϕF	ℓ	L	E	ϕd	SOLID mm	STRANDEDmm²	AWG			
CT	TC-1.25-11	○	1.9	11.0	17.5	4.5	1.7	0.57 ∫ 1.44	0.25 ∫ 1.65	22-16	1,500	NC 1AC
	TC-1.25-11S	○	1.5									
	TC-1.25-16	○	1.9	16.0	22.0							
	TC-1.25-16S	○	1.5									
	TC-1.25-20	○	1.9	20.0	26.0							
	TC-1.25-20S	○	1.5									
CT	TC-2-11	○	1.9	11.0	17.5	4.5	2.3	1.14 ∫ 1.82	1.04 ∫ 2.63	16-14	1,500	NC 2AC
	TC-2-11S	○	1.5									
	TC-2-16	○	1.9	16.0	22.0							
	TC-2-16S	○	1.5									
	TC-2-20	○	1.9	20.0	26.0							
	TC-2-20S	○	1.5									
CT TC-5.5-11		○	2.7	11.0	21.0	6.5	6.5	1.82-2.89	2.63-6.64	12-10	1,000	NC 3AC



RoHS
See page 2

PART NUMBER		DIMENSIONS mm						WIRE RANGE			QTY/REEL	APPLICATOR
		B	t	L	G	E	Φd	SOLID mm	STRANDED mm ²	AWG		
CT	BT-1.25-9-1	2.2	0.75	13.5	9.0	4.5	1.7	0.57 ∩ 1.44	0.25 ∩ 1.65	22-16	1,500	NC-1A
	BT-1.25-9	○ 2.8		13.6	9.1							
	BT-1.25-10-1	○ 2.2		15.0	10.5							
	BT-1.25-10	○ 3.4		14.8	10.3							
	BT-1.25-11	○		15.7	11.2							
	BT-1.25-14	○ 3.0		19.1	14.6							
	BT-1.25-18	2.2		23.0	18.5							
CT	BT-2-9-1	2.2	0.85	13.5	9.0	4.5	2.3	1.14 ∩ 1.82	1.04 ∩ 2.63	16-14	1,500	NC-2A
	BT-2-9	○ 2.8		13.6	9.1							
	BT-2-18	2.2		23.0	18.5							
CT	BT-5.5-10	○ 2.8	0.95	16.5	10.0	6.5	3.4	1.82 ∩ 2.89	2.63 ∩ 6.64	12-10	1,000	NC-3A
	BT-5.5-13	○		19.5	13.0							
	BT-5.5-18	4.5		24.5	18.0							

NOTE

- 1) ○ : UL·CSA
- 2) Refer to page 85 for UL/CSA and proper strip length of wire.

STRIPPED CHAIN TERMINALS

Nichifu's open barrel chain style terminals are useful for crimping in larger quantities.
The ring (insulation grip, single grip), disconnect and bullet are available.

SPECIFICATION

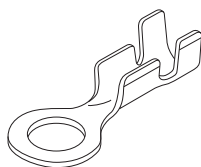
■ MATERIAL BRASS
(Electro-Tin-Plating)

NOTE

Do not use under ammonia atmosphere.

■ FEATURES

RING(W/INS. GRIP)
TYPE A



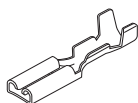
The open barrel Ring type is known as most basic of all the terminals. This terminal is very cost efficient. With the insulation grip, the open barrel ring type has resistance to vibration and high tensile strength for crimping lead wire.

RING (SINGLE GRIP)
TYPE N

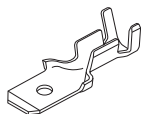


It's used in devices with a minimal amount of vibration and lower tensile strength.

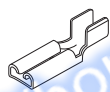
DISCONNECT
W/INS. GRIP
FEMALE



DISCONNECT
W/INS. GRIP
MALE

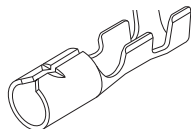


DISCONNECT
SINGLE GRIP
FEMALE

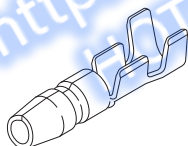


The open barrel female disconnect fits precisely into the corresponding male tab terminal. The available width is .110, .187, and .250, and the standard thickness of male disconnect tab is 0.5mm and 0.8mm.

RECEPTACLE



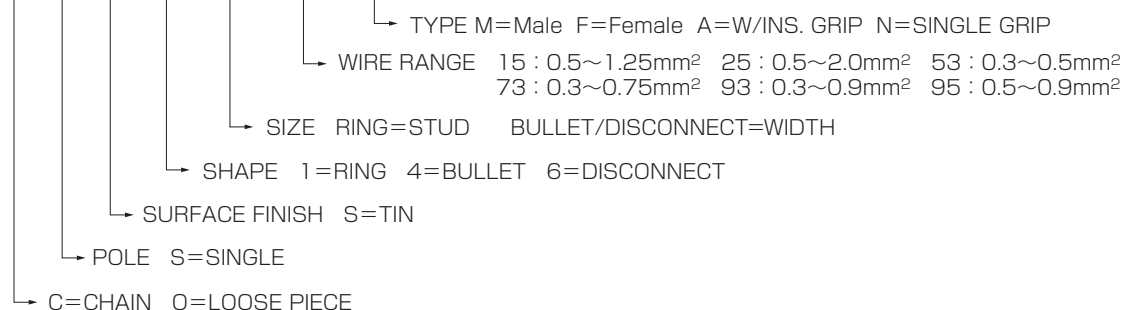
BULLET



Mostly common for automobile wiring.

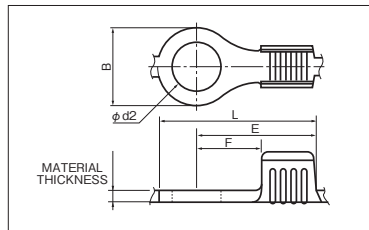
■ STRUCTURE OF OUR PART NUMBER

C S S 6 63 25 M



STRIPPED CHAIN TERMINALS

■ RING(SINGLE GRIP)



RoHS

See page 2

Inquire for minimum quantity.

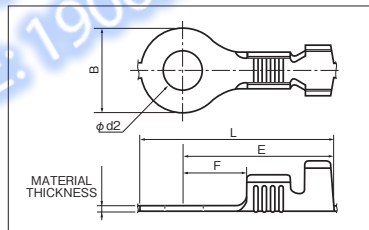
PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL	
	φ d2	B	L	F	E	MATERIAL THICKNESS		mm ²	AWG		BODY	APPLICATOR		
CSS 13273-N	3.2	4.6	9.8	4.1	7.5	0.4	TIN	0.3~0.75	22-18	BRASS	NCM-3	MB 52	25,000	
CSS 13715-N ○	3.7	6.0		3.8	6.8			0.5~1.25	20-16			MB 55	20,000	
CSS 13225-N ○	3.2	6.0	12.2	5.0	9.2	0.5		0.5~2.0	20-14			MB 51	10,000	
CSS 13225-N2 ○		6.5	13.3	6.75	10.05							MB 54		
CSS 13725-N ○	3.7	6.0	12.2	5.0	9.2			0.5~2.0	20-14			MB 51		5,000
CSS 13725-N2 ○		6.5	13.3	6.75	10.05							MB 54		
CSS 13725-N3 ○	4.3	8.0	15.7	7.5	11.7			0.5~2.0	20-14			MB 53	10,000	
CSS 14325-N2 ○		6.5	13.3	6.75	10.05							MB 54	5,000	
CSS 14325-N3 ○		8.0	15.7	7.5	11.7							MB 53	10,000	

NOTE

1) ○ : UL·CSA

STRIPPED CHAIN TERMINALS

■ RING (W/INSULATION GRIP)



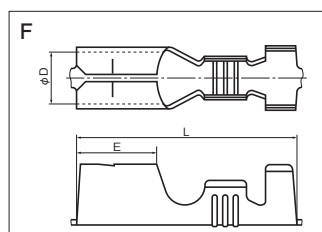
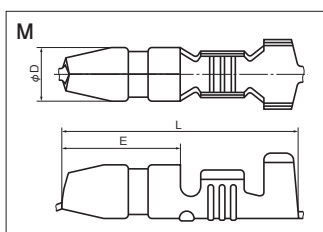
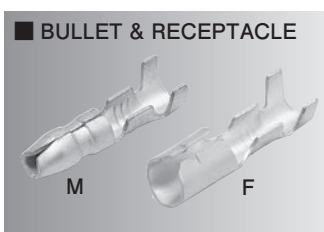
Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	$\phi d2$	B	L	F	E	MATERIAL THICKNESS		mm ²	AWG		BODY	APPLICATOR	
CSS 13225-A ○	3.2	8.0	18.7	6.3	14.7	0.5	TIN	0.5~2.0	20-14	BRASS	NCM 3	MB 01	5,000
CSS 13725-A ○	3.7											MB 02	4,000
CSS 14325-A ○	4.3	10.0	21.5	8.0	16.5	0.6						MB 01	5,000
CSS 14325-A2 ○		10.0	21.5	8.0	16.5	0.6						MB 02	4,000
CSS 15325-A ○	5.3	8.0	18.7	6.3	14.7	0.5						MB 01	5,000
CSS 15325-A2 ○		10.0	21.5	8.0	16.5	0.6						MB 02	4,000

NOTE

1) ○ : UL·CSA

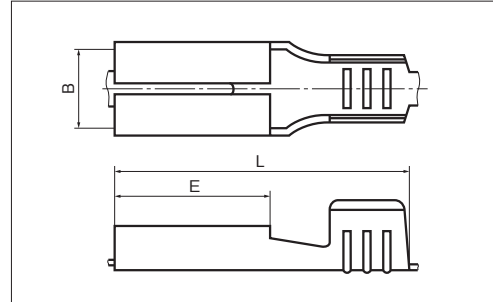
■ BULLET & RECEPTACLE



PART NUMBER	DIMENSIONS mm				FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	ϕD	E	L	MATERIAL THICKNESS		mm ²	AWG		BODY	APPLICATOR	
CSS 43925-M	3.96	8.7	17.5	0.5	TIN	0.5~2.0	20-14	BRASS	NCM 3	GB 01	5,000
CSS 43925-F	3.9	6.4		0.4							

STRIPPED CHAIN TERMINALS

■ FEMALE DISCONNECT
SINGLE GRIP



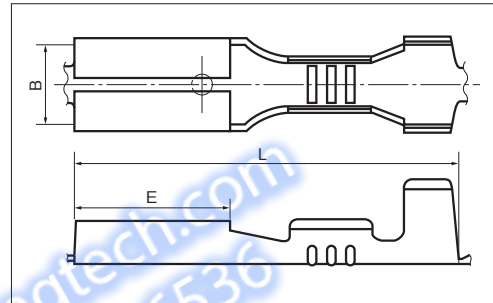
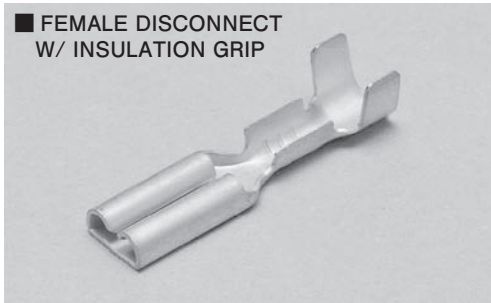
RoHS
See page 2

110 SERIES TYPE: FN SINGLE POLE

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG		BODY	APPLICATOR	
CSS 62815-FN	3.3	6.5	12.4	0.25	0.5	TIN	0.5~1.25	20-16	BRASS	NCM 3	FB 57	10,000

■ FEMALE DISCONNECT
W/ INSULATION GRIP



RoHS
See page 2

110 SERIES TYPE: F SINGLE POLE

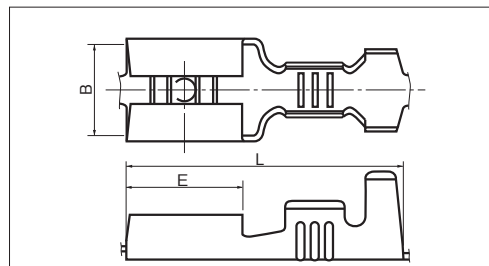
Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG		BODY	APPLICATOR	
CSS 62853-F ○	3.3	6.5	16.2	0.25	0.5	TIN	0.3~0.5	22-20	BRASS	NCM 3	FB 58	10,000

NOTE ○ : UL・CSA

STRIPPED CHAIN TERMINALS

■ FEMALE DISCONNECT
W/ INSULATION GRIP



187 SERIES FEMALE, SINGLE POLE

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG		BODY	APPLICATOR	
CSS 64815-F	5.0	6.4	15.3	0.3	0.5	TIN	0.5~1.25	20-16	BRASS	NCM 3	FB 54	10,000
CSS 64873-F							0.3~0.75	22-18			FB 55	

250 SERIES FEMALE, SINGLE POLE

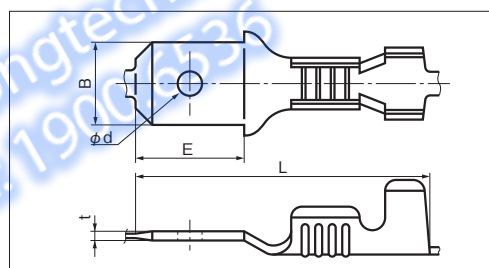
Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm				MATING TAB THICKNESS	FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	MATERIAL THICKNESS			mm ²	AWG		BODY	APPLICATOR	
CSS 66325-F ○	6.8	7.8	19.0	0.45	0.8	TIN	0.5~2.0	20-14	BRASS	NCM 3	FB 51A	5,000
CSS 66393-F ○			19.2	0.4			0.3~0.9	22-18			FB 51B	

NOTE

1) ○ : UL·CSA

■ MALE DISCONNECT
W/ INSULATION GRIP



187 SERIES MALE, SINGLE POLE

Inquire for minimum quantity.

PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	φd	t	MATERIAL THICKNESS		mm ²	AWG		BODY	APPLICATOR	
CSS 64873-M	4.75	6.35	17.2	1.4	0.5	—	TIN	0.3~0.75	22-18	BRASS	NCM 3	FB 04	10,000

250 SERIES MALE, SINGLE POLE

Inquire for minimum quantity.

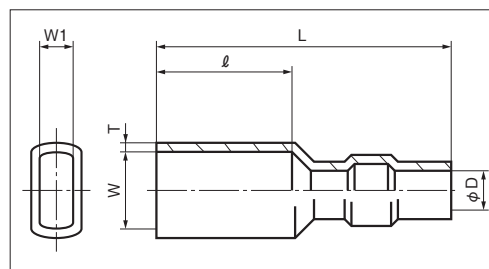
PART NUMBER	DIMENSIONS mm						FINISH	WIRE RANGE		MATERIAL	TOOL No.		QTY/REEL
	B	E	L	φd	t	MATERIAL THICKNESS		mm ²	AWG		BODY	APPLICATOR	
CSS 66325-M ○	6.35	7.8	19.2	2.0	0.8	—	TIN	0.5~2.0	20-14	BRASS	NCM 3	FB 01	5,000

NOTE

1) ○ : UL·CSA

INSULATION CAP FOR FEMALE DISCONNECT

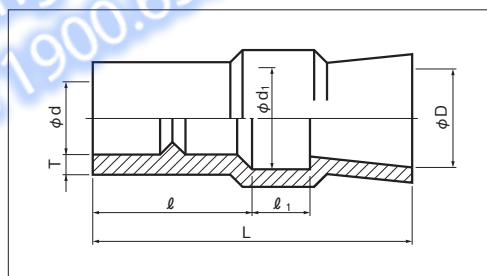
■ INSULATION CAP



PART NUMBER		DIMENSIONS mm						WIRE RANGE (mm ²)	STD QTY/BAG
		φ D	W	W1	L	l	T		
110SERIES	62818-F	1.8	4.0	1.8	21.0	8.5	0.7	0.3	1,000
	62826-F	2.5						0.5, 0.9	1,000
	62832-F	3.0						1.25, 2	1,000
187SERIES	64820-F	2.0	6.0	2.5	23.0	10.5	0.7	0.3	1,000
	64826-F	2.5						0.5, 0.9	1,000
	64832-F	3.0						1.25, 2	1,000
	64835-F	3.5						2 (UL)	1,000
	64840-F	4.0						3.5	1,000
250SERIES	66326-F	2.5	8.0	3.5	25.0	10.5	0.8	0.5, 0.9	1,000
	66332-F	3.2						1.25, 2	1,000
	66335-F	3.5						3.5	1,000
	66340-F	4.0						3.5 (UL)	1,000
	66345-F	4.5						5.5 (UL)	1,000
	66350-F	5.0						8	1,000

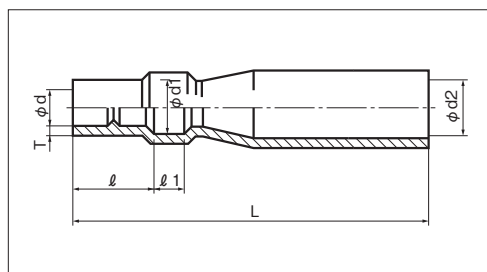
INSULATION CAP FOR BULLET/RECEPTACLE

■ FOR BULLET



PART NUMBER		DIMENSIONS mm						WIRE SIZE (mm ²)	STD QTY/BAG
		φ d	φ d1	φ D	l	l 1	L		
43926-M		2.5	4.5	3.2	7.0	2.5	14.0	0.5	1,000
43932-M		3.2						1.25	
43935-M		3.5						2.0	

■ FOR RECEPTACLE



PART NUMBER		DIMENSIONS mm						WIRE SIZE (mm ²)	STD QTY/BAG
		φ d	φ d1	φ d2	l	l 1	L		
43926-F		2.5	4.5	5.0	6.0	2.5	34.0	0.8	1,000
43932-F		3.2						1.25	
43935-F		3.5						2.0	

SPECIFICATION

- MATERIAL: P.V.C.
- COLOR: TRANSPARENT
- RATED VOLTAGE: 300V
- RATED TEMP. (MAX) : 60°C

STRIPPED CHAIN TERMINAL CRIMPING MACHINE • APPLICATOR

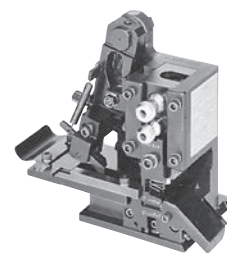
■ CRIMPING MACHINE



A mounted applicator for various terminal types and sizes automatically feeds linked terminals one by one to the crimping die.

Safe, secure and continuous work is controlled by a foot pedal.

■ APPLICATOR



■ SPECIFICATION

PART NO.	NCM 3
P O W E R	20kN
S T R O K E	30mm
I N P U T	AC 100V 50/60Hz
W E I G H T	90kg
DIMENSIONS	360W×388L×470H

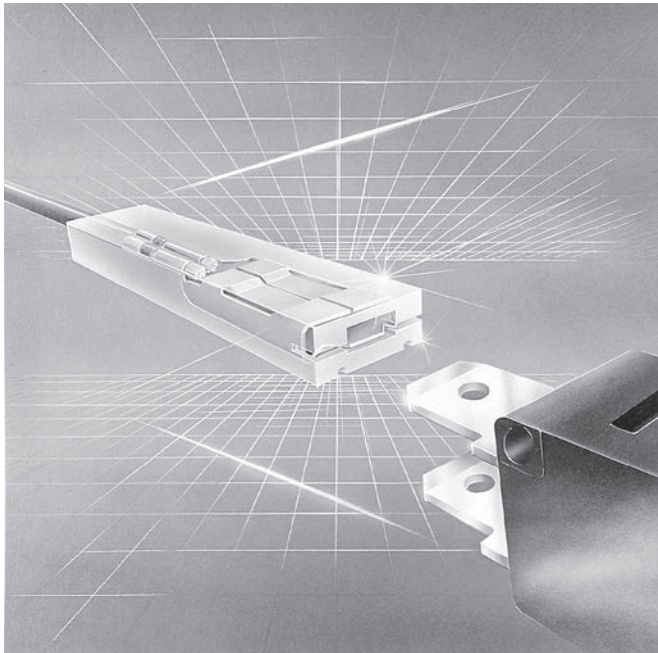
Various terminals can be crimped by one-touch change of the applicator. Wire and insulation crimp height can be controlled by dial setting.

SHAPE OF TERMINAL		PART NUMBER	APPLICATOR PART No.
RING W/INS. GRIP		CSS 13225-A, CSS 13725-A	MB 01
		CSS 14325-A, CSS 15325-A	
		CSS 14325-A2, CSS 15325-A2	MB 02
RING SINGLE GRIP		CSS 13225-N, CSS 13725-N	MB 51
		CSS 13273-N, CSS 12373-N	MB 52
		CSS 13793-N, CSS 14393-N	MB 53
		CSS 15393-N, CSS 13725-N3	
		CSS 14325-N3, CSS 15325-N3	
		CSS 13225-N2, CSS 13725-N2	MB 54
		CSS 14325-N2	
		CSS 13715-N	MB 55
DISCONNECT W/INS. GRIP	110 SERIES F	CSS 62853-F	FB 58
	187 SERIES F	CSS 64873-F	FB 55
		CSS 64815-F	FB 54
		CSS 64873-M	FB 04
	250 SERIES F	CSS 66393-F	FB 51B
		CSS 66325-F	FB 51A
		CSS 66325-M	FB 01
	SINGLE GRIP 110 SERIES F	CSS 62815-FN	FB 57
		CSS 43925-F, CSS 43925-M	GB 01
	* DISC. FOR 110 SERIES	CSS 62852-F3	FB 65
EASY LOCK CONNECTOR	187 SERIES	CSS 62815-F3	FB 66
		CSS 64873-F3, CSS 64873-F4	FB 59
	250 SERIES	CSS 64815-F3, CSS 64815-F4	FB 60
		CSS 66393-F3	FB 61
		CSS 66325-F3	FB 62
		CSS 66393-F3-1	FB 61A
		CSS 66325-F3-1	FB 62A

* See page 111~115 for EASY LOCK CONNECTOR.

EASY LOCK CONNECTORS

Easy lock connectors enable fast/easy/sure connection.
Locking mechanism ensures the connection with low insertion force.



■ FEATURES

1. Locking Mechanism

Locking mechanism assures the safety of the connection by preventing withdrawal from vibration or wire tension.

2. Very low insertion force

Very low insertion force is required to insert a mated tab. Operators can connect easily.

3. Very low withdrawal force

As same as insertion, very low withdrawal force is required. Just squeeze to release the locking mechanism, and pull off the housing.

■ SPECIFICATIONS

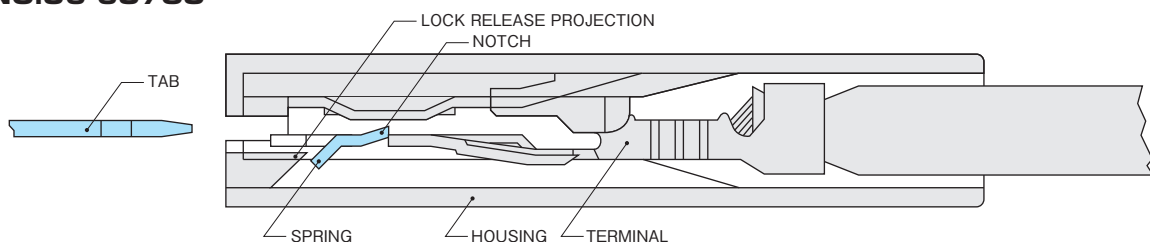
ITEM	series	110 series	187 series	250 series
RATED VOLTAGE/CURRENT		AC250V 10A	AC250V 10A	AC250V 13A
INSULATION RESISTANCE		1000MΩ	1000MΩ	1000MΩ
WITHSTAND VOLTAGE		AC2000V	AC2000V	AC2000V
TEMPERATURE RANGE		-40°C~+105°C		
CONTACT RETENTION FORCE		41N or more	50N or more	80N or more
CONTACT MATERIAL		PRE - TIN BRASS		
HOUSING MATERIAL		NYLON-66 (94V-0,94V-2)	NYLON-66 (94V-2)	NYLON-66 (94V-2)



FOR SAFETY USE

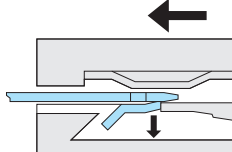
Use with mated tab only.
Use with applicable housing.
Please observe the above points to prevent over heat and possible fire.

PAT.NO.56-63783



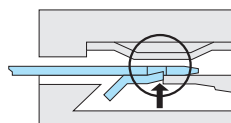
■ MECHANISM

① TAB INSERTION



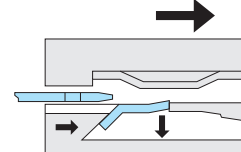
When tab is inserted, spring is lowered.

② SECURE THE LOCK



The projection fits into mating tab hole for sure lock.

③ WITHDRAWAL

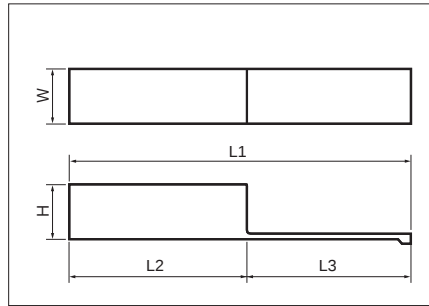
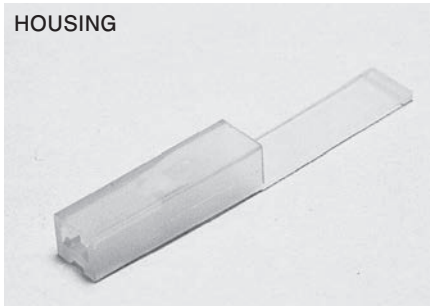


By squeezing the housing, spring is lowered out of the notch.

EASY LOCK CONNECTORS

110 SERIES

HOUSING



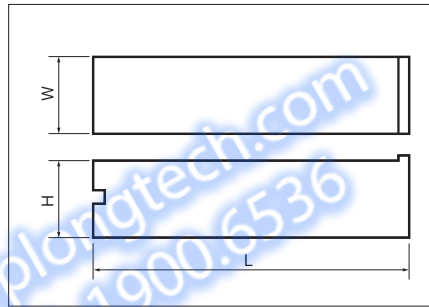
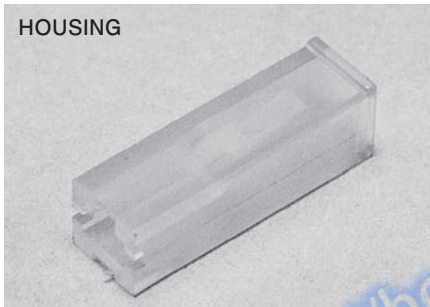
This type has a tab for numbering a wire (L3).

RoHS

See page 2

PART NUMBER		DIMENSIONS mm					POLE	MATERIAL	COLOR	APPLICABLE TERMINAL	QTY
		W	H	L ₁	L ₂	L ₃					
NET 1-28-1P-V2	◇	5.8	5.0	39	20	19	1	NYLON66(94V-2)	BLUE TRANSLUCENT	OSS 62852-F3 CSS 62852-F3 OSS 62815-F3 CSS 62815-F3	500

HOUSING

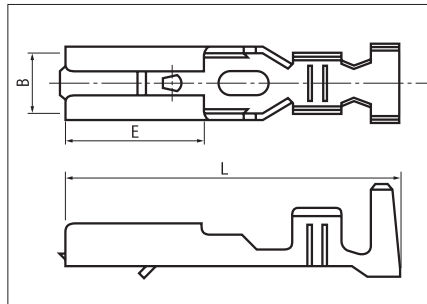


RoHS

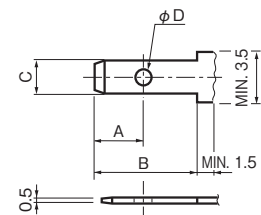
See page 2

PART NUMBER		DIMENSIONS mm			POLE	MATERIAL	COLOR	APPLICABLE TERMINAL	QTY
		W	H	L					
NEM 1-28-1P-V0	○	5.8	5.4	23	1	NYLON66(94V-0)	WHITE	OSS 62852-F3 CSS 62852-F3 OSS 62815-F3 CSS 62815-F3	500

TERMINAL



MATED TAB DIMENSIONS



APPLICABLE HOUSING PART NO.	DIMENSIONS mm			
	A	B	C	D
NET 1-28-1P	1.6±0.1	8.5±0.1	2.8±0.1	φ1.2±0.1
NEM 1-28-1P		7.5±0.1		

RoHS

See page 2

PART NUMBER		DIMENSIONS mm			WIRE RANGE		TOOL No.		QTY
		B	E	L	mm ²	AWG	BODY	APPLICATOR	
OSS 62852-F3	○	3.1	7.0	17.0	0.2~0.3	24-22	NH 71		500
OSS 62815-F3	○				0.5~1.25	20-16			
CSS 62852-F3	○	3.1	7.0	17.0	0.2~0.3	24-22	NCM 3	FB 65	4,000
CSS 62815-F3	○				0.5~1.25	20-16		FB 66	

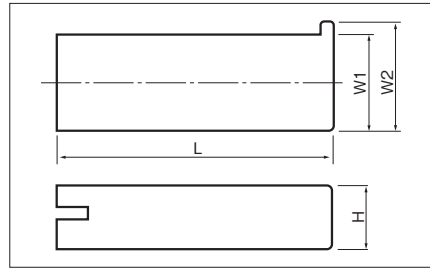
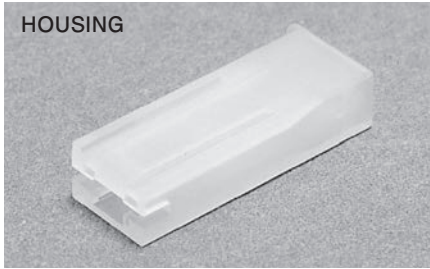
OSS: Loose piece terminal CSS: Strip terminal

NOTE 1) ○ : UL·CSA ◇ : CSA

EASY LOCK CONNECTORS

187 SERIES

HOUSING

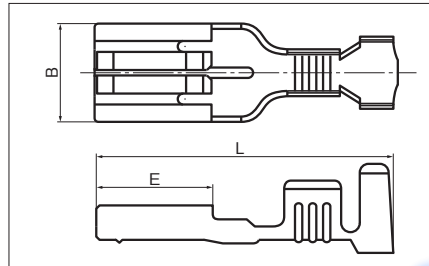


RoHS

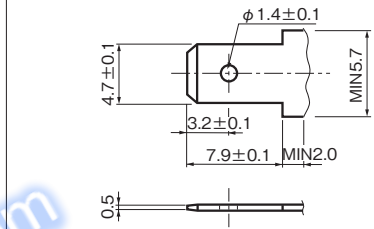
See page 2

PART NUMBER		DIMENSIONS mm				POLE	APPLICABLE TERMINAL	QTY
		W ₁	W ₂	H	L			
NEP 2-48-1P	○	7.7	8.7	5.0	22.0	1	CSS 64873-F3	500
							CSS 64815-F3	

TERMINAL



MATED TAB DIMENSIONS



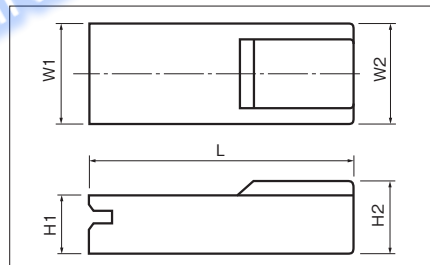
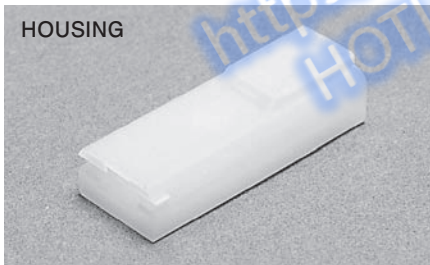
RoHS

See page 2

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		QTY/REEL
		B	E	L		mm ²	AWG	BODY	APPLICATOR	
CSS 64873-F3	○	5.0	6.8	18.0	0.5	0.3~0.75	22-18	NCM 3	FB 59	3,000
CSS 64815-F3	○					0.5~1.25	20-16		FB 60	

250 SERIES

HOUSING



NOTE FOR CSA

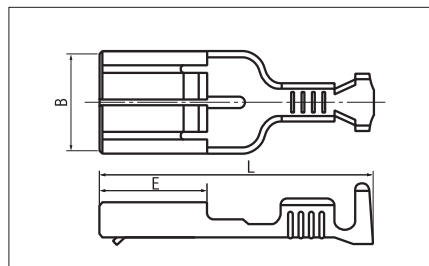
Part No.84856 as CSA certified item.

RoHS

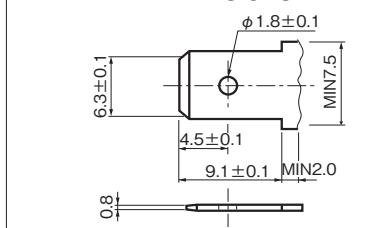
See page 2

PART NUMBER		DIMENSIONS mm				POLE	APPLICABLE TERMINAL	QTY
		W	H ₁	H ₂	L			
NEP 1-63-1P	○	9.2	5.1	6.3	24.65	1	CSS 66393-F3-1	500
							CSS 66325-F3-1	

TERMINAL



MATED TAB DIMENSIONS



RoHS

See page 2

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS mm	WIRE RANGE		TOOL No.		QTY/REEL
		B	E	L		mm ²	AWG	BODY	APPLICATOR	
CSS 66393-F3-1	○	6.7	8.0	20.5	0.8	0.3~0.9	22-18	NCM 3	FB 61A	2,500
CSS 66325-F3-1	○					0.5~2.0	20-14		FB 62A	

NOTE1) ○ : UL·CSA

CONNECTOR FOR PANEL SWITCH

FEATURES

Multiple Pole Connector

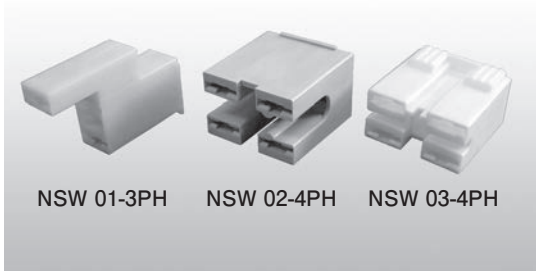
3 or 4 female disconnects within a housing, enables connection to mated switch's tabs simultaneously. A very low insertion force and smooth mating reduce operator fatigue and a operating time.

Antivibration and polarizing mechanism

A new locking mechanism enables connections to be sure and safe. Even if the wires are pulled strongly, the mechanism works properly and does not disconnect. Also, vibration resistant.

Easy disconnect

The connector is easily disconnected, if you hold the housing and pull out. The locking mechanism is released requiring a very low withdrawal force.

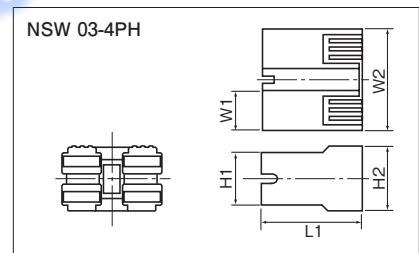
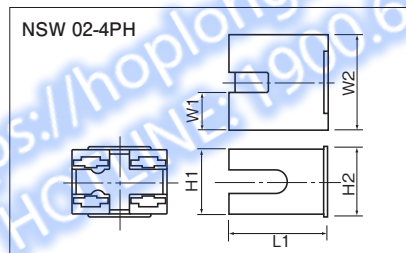
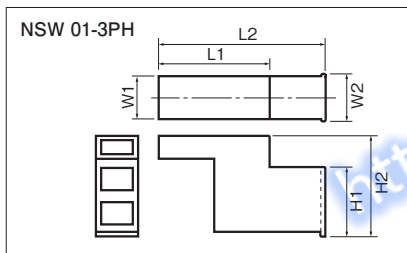


NSW 01-3PH NSW 02-4PH NSW 03-4PH

SPECIFICATIONS

CONTACT RESISTANCE		Less than 2MΩ	
INSULATION RESISTANCE		More than 1000MΩ(DC 500V)	
WITHSTAND VOLTAGE		AC 2200V/minute	
WIRE PULL OUT FORCE		0.3mm ² (AWG22)	38N or more
		0.5mm ² (AWG20)	60N or more
		0.75mm ² (AWG18)	80N or more
		1.25mm ² (AWG16)	130N or more
		2.0mm ² (AWG14)	190N or more
CONTACT RETENTION FORCE		25N or more	
ENGAGEMENT FORCE (PER ONE POLE)	1ST	INSERTION FORCE 68N or less	WITHDRAWAL FORCE 13N or more

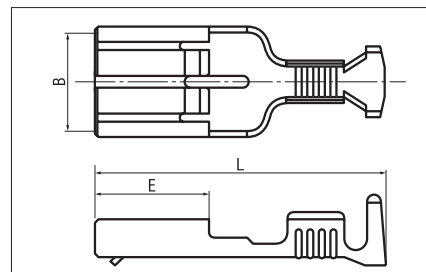
NUMBER OF POLE		3-pole	4-pole	4-pole
ASSEMBLED P/N		NSW 01-63-3C	NSW 02-63-4C	NSW 03-63-4C
PART NUMBER	HOUSING	NSW 01-3PH	NSW 02-4PH	NSW 03-4PH
	TERMINAL	CSS 66393-F3-1 (AWG22-18) CSS 66325-F3-1 (AWG20-14)		
MATERIAL	HOUSING	66 Nylon(94V-0)		
	TERMINAL	Pre-tin Brass		
RATING	VOLTAGE	AC250V, DC300V		
	CURRENT	15A (MAX)		
	TEMPERATURE	-40°C~+95°C	-25°C~+85°C	-40°C~+95°C
MATED SWITCH (MFR:HST)		Safety Door Switch		Power Switch
		F85B series	FA series	RS1 series



RoHS

See page 2

PART NUMBER		DIMENSIONS mm						POLE	APPLICABLE TERMINAL	QTY
		W ₁	W ₂	H ₁	H ₂	L ₁	L ₂			
NSW 01-3PH	○	9.6	10.6	15.7	22.7	24.8	37.1	3	CSS 66393-F3-1 CSS 66325-F3-1	500
NSW 02-4PH	○	9.6	24.6	16.8	18.0	25.3	—	4		
NSW 03-4PH	○	9.8	25.0	12.3	15.6	25.3	—	4		



RoHS

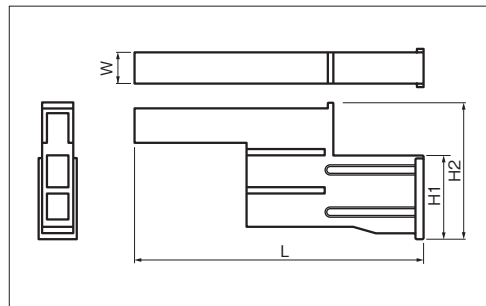
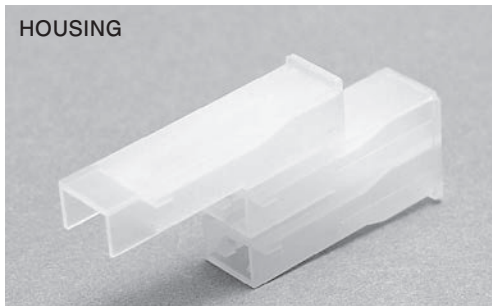
See page 2

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS	WIRE RANGE		WIRE DIA. mm		TOOL No.		QTY/REEL
		B	E	L		mm ²	AWG	MIN	MAX	BODY	APPLICATOR	
CSS 66393-F3-1	○	6.7	8.0	20.5	0.8	0.3~0.9	22-18	φ1.5	φ3.0	NCM 3	FB 61A	2,500
CSS 66325-F3-1	○					0.5~2.0	20-14	φ1.8	φ3.8		FB 62A	

NOTE 1) ○ : UL-CSA

MICRO SWITCH CONNECTORS

HOUSING

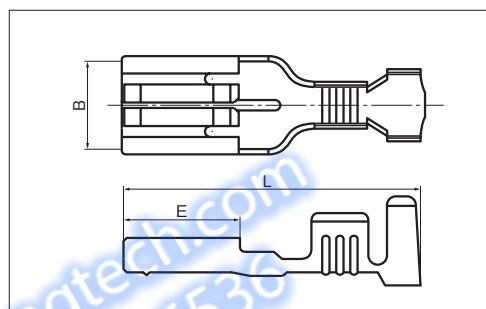


Easy insertion and safety featured connector mechanism is the same as easy lock connector.

HOUSING

PART NUMBER		DIMENSIONS mm				POLE	MATERIAL	FLAME RETARDANCE	QTY
		W	H ₁	H ₂	L				
NEB 1-48-3P	○	7.8	13.5	21.1	44.2	3	NYLON66	94V-2	500

TERMINAL



TERMINAL

PART NUMBER		DIMENSIONS mm			MATING TAB THICKNESS mm	WIRE RANGE		APPLICABLE TOOL		QTY/REEL
		B	E	L		mm ²	AWG	BODY	APPLICATOR	
CSS 64873-F4	○	5.0	6.8	18.0	0.5	0.3~0.75	22-18	NCM 3	FB 59	3,000
CSS 64815-F4	○					0.5~1.25	20-16		FB 60	

SPECIFICATIONS

CONTACT RESISTANCE	3mΩ or less
INSULATION RESISTANCE	1000MΩ or more(DC 500V)
WITHSTAND VOLTAGE	AC 2200V/minute
WIRE PULL OUT FORCE	0.3mm ² (AWG22) 38N or more
	0.5mm ² (AWG20) 60N or more
	0.75mm ² (AWG18) 80N or more
	1.25mm ² (AWG16) 130N or more
CONTACT RETENTION FORCE	39N or more(1.25mm ²)
INSERTION FORCE(1ST)	30N or less/pole
WITHDRAWAL FORCE(1ST)	5N or more/pole

Followings are assembled part no.

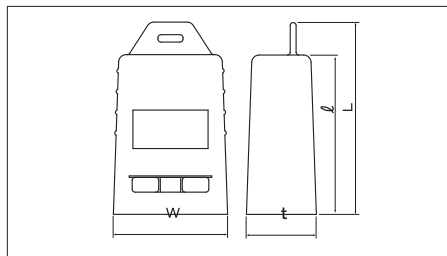
NEB1-48-3C1 : NEB1-48-3P/CSS 64873-F4

NEB1-48-3C2 : NEB1-48-3P/CSS 64815-F4

NOTE 1) ○ : UL·CSA

MODEL NO.		EASY LOCK CONNECTORS FOR MICRO SWITCH
POLE		3
PART NO.	HOUSING	NEB1-48-3P
	TERMINAL	CSS-64873-F4(AWG22-18) CSS-64815-F4(AWG20-16)
RATING	VOLTAGE	AC 250V, DC 300V
	CURRENT	15A(Max)
	TEMPERATURE	-25°C~+105°C
APPLIED MICRO SWITCH		Manufacturer : OMRON V-15□-IC25 V-10□-IC24 V-11□-IC24 VX-5□-IC23
		Manufacturer : PANASONIC Type QV (187) TAB AM5□□*□C *: 1~3

JOINT COVER



FEATURES

- Protect wire jointed area.
- Joint Cover acts as a tension relief.
- Translucent and soft vinyl material.
- It has a groove on the back of the Joint Cover to fit suspension bolt.

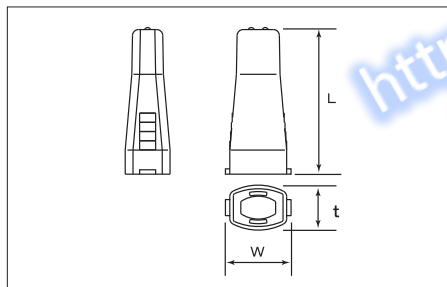


SPECIFICATION

- MATERIAL P.V.C. UL94V-O (Translucent)
- RATED TEMPERATURE 75°C
- WITHSTAND VOLTAGE 3000V

PART NO.	DIMENSION mm				PACKING QTY
	L	ℓ	W	t	
JB 130	130	105	77	47	50Pcs. (10Pcs./bag×5)
JB 170	170	145	80	50	

INSULATION CAP (For open end connectors)



FEATURES

- Maximum withstand voltage is more than 1,500V.
- Uniform thickness for stable insulation performance.
- Environmentally conscious material.
- Translucent for easy inspection.

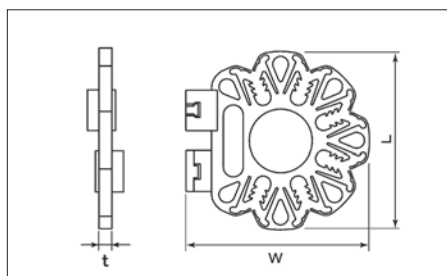
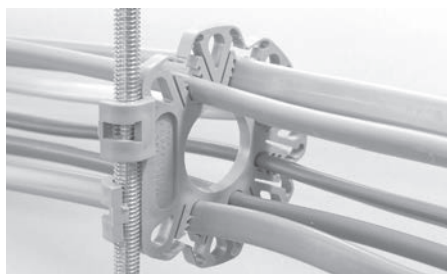


SPECIFICATION

- MATERIAL POLYPROPYLENE
- RATED TEMPERATURE -15°C~ 85°C
- INSTALLATION TEMP 0°C~
- RATED VOLTAGE 300V

PART NO.	MATED CONNECTOR	DIMENSION mm			STD QTY/BOX
		L	t	W	
VAC S	E S	34.5	8.6	13.2	500 (100×5)
VAC M	E M	36.5	10.2	16.1	250 (50×5)
VAC L	E L	38.5	11.2	17.3	250 (50×5)

ROMEX CABLE SUPPORTER



FEATURES

- Distributed wire suspension system prevents the danger of temperature rise and deterioration of cable insulation.
- Snap onto the suspension bolt with ease.

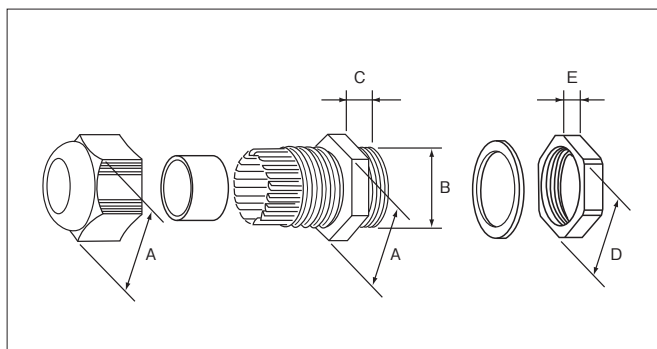


SPECIFICATION

- APPLICABLE WIRE Romex cable (2 or 3 cores)
- CABLE QTY Upto 6 cables
- MATERIAL Polypropylene (UL94V-O)
- RATED TEMPERATURE -15°C~ 75°C
- INSTALLATION TEMP 0°C~ 40°C
- SUSPENSION BOLT W 3/8 bolt

PART NO.	DIMENSION mm			PACKING QTY
	L	W	t	
NCS 6P	89.5	91.5	6	50 (5×10)

CABLE GLAND



PART NUMBER	CLAMPING RANGE	THREAD	DIMENSIONS mm					HOLE ϕ to be attached	STD QTY/PKG
			A	B	C	D	E		
PG 07/PG-CE	2.5~6	PG 07	15	12.5	8	15	5	13	50
PG 09/PG-CE	2.5~8	PG 09	19	15.2	8	19	5	15.8	50
PG 11/PG-CE	3.5~10	PG 11	22	18.6	8	22	5	19	50
PG 13.5/PG-CE	5~12	PG 13.5	24	20.4	9	24	5	21	50
PG 16/PG-CE	7~14	PG 16	27	22.5	10	27	6	23	50
PG 21/PG-CE	9~18	PG 21	33	28.3	11	32	6.5	28.8	20
PG 29/PG-CE	14~24.5	PG 29	42	37.0	11	41	7.5	37.5	20
PG 36/PG-CE	18~31.5	PG 36	52.5	47.0	13	59	8	47.5	10
PG 42/PG-CE	24~38.5	PG 42	60	54.0	13	64	9	54.5	5
PG 48/PG-CE	35~47.5	PG 48	69.5	59.3	14	69	9.5	60	5

SPECIFICATION

- **MATERIAL** BODY : Nylon 6
LOCK NUT : Nylon 6 + 25% Glass Fiber (PG07~PG29)
Nylon 6 (PG36~PG48)
FLAT SEAL : Neoprene
- **RATED TEMPERATURE** -25°C~+100°C

TORQUE SCREW DRIVER

TD 15 (YELLOW GREEN)
TD 40 (WINE RED)
TD 50 (YELLOW)



FEATURES

- Once it reaches the desired set torque limit, the clutch mechanism automatically stops power transfer.
- The body of the screw driver is electrically insulated, except for the bit.
- Lightweight, compact and portable.

PART NUMBER	TYPE	TORQUE SET VALUE	ALLOWANCE	DIMENSIONS mm	WEIGHT	ACCESSORY
TD 15	NOT ADJUSTABLE	1.5N · m	1.43~1.51N · m	165×51×51	305g	0.8⊖BIT
TD 40		4.0N · m	3.80~4.04N · m			1.2⊖BIT
TD 50	ADJUSTABLE	1.5N · m	1.40~1.54N · m	209×52×52	410g	0.8⊖BIT No2⊕BIT
		3.0N · m	2.65~3.23N · m			
		4.0N · m	3.53~4.31N · m			

■⊕⊖BIT When ordering a bit, check top shape of screw

TYPE OF SCREW	T Y P E O F B I T	PART NO.	T Y P E O F S C R E W		
			Round head screw Truss head screw Binding head screw	Countersunk screw Raised countersunk head Pan head screw	Wood screw
	 Crosshead bit	No.1 No.2 No.3	M2~M2.6 M3~M5 M6~M8		2.1φ~2.7φ 3.1φ~4.8φ 5.1φ~6.8φ
	 Slottedhead bit	0.5 0.8 1.2	M2~M3 M4~M8 M8		—

ELECTRIC WIRE TWISTER“H-2100/F-2100”



It was not until NICHIFU introduced the new wire twister(H-series and F-series) that various combinations of stranded wires could be satisfactorily prepared for insertion into one crimp barrel. With its newest technology NICHIFU has succeeded in developing a remarkable wire twister which solves these problems. NICHIFU's wire twister features uninterrupted and uniform twisting with easy, trouble free operation. It will not cause cutting or fraying of wire like conventional twisters. Because of its compact and light-weight design, it can be used in either the hand held position or by hanging it overhead.

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■ FEATURES

- Multiple wires can be twisted at the same time. Pre-twisting is not required.
- The H-2100/F-2100 will not cause cutting or fraying of the wire like conventional twisters.
- Small and compact. Safety featured design. Requires 100V AC power supply. Can be used anywhere electricity is available.
- H-2100/F-2100 gives a very clean and stable finish to the wire. Now, wire insertion is very smooth and easy.

SPECIFICATIONS

PART NO.	: H-2100 : F-2100 (with stand and foot switch)
DIMENSIONS	: $\phi 34 \times 155(\text{mm})$
WEIGHT	: 400g(twister) 900g(power unit)
POWER	: AC 100V (MOTOR 30V)
ROTATION	: CLOCKWISE
SPEED	: 11,000 rpm(Max), 4 speed.
LENGTH OF TWIST	: 5 ~ 15mm



F 2100 <with stand and foot switch>



H 2100

SPECIAL TYPES (UPON REQUEST)

FOR FINE CONDUCTORS

mm ²	0.05×4pcs. 0.09×4pcs.
AWG	#36 #30 #28 #26 #20

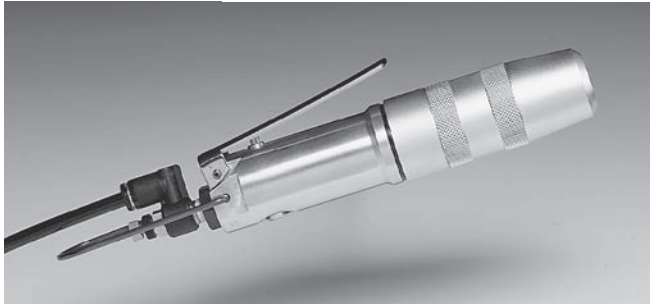
TWISTER WITH TOUCH SENSOR



PNEUMATIC WIRE TWISTER“H-1000/F-1000”



F-1000 (with stand and foot switch)



H-1000

■ FEATURES

- Multiple wires can be twisted at the same time. Pre-twisting is not required.
- The H-1000/F-1000 will not cause cutting or fraying of the wire like conventional twisters.
- The H-1000/F-1000 gives a very clean and stable finish to the wire. Now, wire insertion is very smooth and easy.
- Small and compact. Safety featured design.

SPECIFICATIONS

PART NO.	: H-1000 F-1000(with stand and foot switch)
DIMENSIONS	: ϕ 30 × 170mm
WEIGHT	: 450g
AIR PRESSURE	: 0.5MPa or more
ROTATION	: CLOCKWISE
LENGTH OF TWIST	: 5 ~ 15mm

WIRE COMBINATIONS CHART

■ PNEUMATIC WIRE TWISTER

COMBINATION OF VSF WIRE

WIRE A \ WIRE B	VSF0.5mm ²					VSF0.75mm ²					VSF1.25mm ²					VSF2.0mm ²				
	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs
VSF 0.5mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 0.75mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 1.25mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 2.0mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

■ ELECTRIC WIRE TWISTER

COMBINATION OF VSF WIRE

WIRE A \ WIRE B	VSF0.5mm ²					VSF0.75mm ²					VSF1.25mm ²				
	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs	1Pc	2Pcs	3Pcs	4Pcs	5Pcs
VSF 0.5mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 0.75mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
VSF 1.25mm ² × 1Pc	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

※ Above combination shows a major combination of wires.
Feel free to contact us with a combination other than above.

CRIMPING TOOL

●NH 1 (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES
TUBULAR TERMINALS 1.25, 2, 3.5, 5.5, 8mm²
HANDLE COLOR : RED



WEIGHT = 500g LENGTH = 260mm

NH 20 (HAND RATCHET TOOL)

NON-INSULATED FLAG RING TERMINALS
1.25, 2mm²
HANDLE COLOR : RED



WEIGHT = 490g LENGTH = 275mm

●NH61 (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES,
1.25, 2mm²
HANDLE COLOR : RED



WEIGHT = 220g LENGTH = 193mm (SHORT HANDLE)

○NH 5 (HAND RATCHET TOOL)

INSULATED TERMINALS&SLEEVES
0.3, 0.5mm²
HANDLE COLOR : BLUE



WEIGHT = 450g LENGTH = 265mm

●NHE 4 (HAND RATCHET TOOL)

NON-INSULATED OPEN ENDS
E-S, E-M, E-L
HANDLE COLOR : YELLOW



WEIGHT = 510g LENGTH = 265mm

○NH 60 (HAND RATCHET TOOL)

NON-INSULATED&INSULATED
TERMINALS/SLEEVES 0.3, 0.5mm²
HANDLE COLOR : RED



WEIGHT = 227g LENGTH = 200mm (SHORT HANDLE)

●NH 9 (HAND RATCHET TOOL)

NON-INSULATED TERMINALS&SLEEVES
TUBULAR TERMINALS 2, 3.5, 5.5, 8, 14mm²
HANDLE COLOR : RED



WEIGHT = 570g LENGTH = 297mm

○NH 32 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
0.3/0.5, 1.25, 2mm²
HANDLE COLOR : RED/BLUE



WEIGHT = 490g LENGTH = 265mm

UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL-CSA ● : JIS ○ : UL-CSA

CRIMPING TOOL

○NH 11 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
1.25mm²
HANDLE COLOR : RED



WEIGHT = 455g LENGTH = 265mm

○NH 37 (HAND RATCHET TOOL)

CLOSED ENDS & INTERMEDIATE CONNECTORS
1.25, 2, 5.5mm²
HANDLE COLOR : LIGHT BLUE



WEIGHT = 500g LENGTH = 260mm

○NH 12 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
2mm²
HANDLE COLOR : BLUE



WEIGHT = 455g LENGTH = 265mm

○NH 36 B (HAND RATCHET TOOL)

CLOSED ENDS & INTERMEDIATE CONNECTORS
2, 5.5, 8mm²
HANDLE COLOR : RED



WEIGHT = 520g LENGTH = 267mm

○NH 13 (HAND RATCHET TOOL)

INSULATED TERMINALS & SLEEVES
3.5, 5.5mm²
HANDLE COLOR : BLUE



WEIGHT = 900g LENGTH = 325mm

○NH 63 (HAND RATCHET TOOL)

CLOSED ENDS & INTERMEDIATE CONNECTORS
2mm²
HANDLE COLOR : RED



WEIGHT = 230g LENGTH = 190mm (SHORT HANDLE)

NH 65 (HAND RATCHET TOOL)

TGT 1.25mm²
HANDLE COLOR : RED



WEIGHT = 230g LENGTH = 190mm (SHORT HANDLE)

NH 66 (HAND RATCHET TOOL)

TGW 1.25mm² (TWIN WIRE)
HANDLE COLOR : RED



WEIGHT = 230g LENGTH = 190mm (SHORT HANDLE)

UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ● : JIS ○ : UL·CSA

CRIMPING TOOL

NH 64 (HAND RATCHET TOOL)

WP CONNECTOR
1.25mm², 2mm²
HANDLE COLOR : RED



WEIGHT = 250g LENGTH = 200mm (SHORT HANDLE)

NH 69 (HAND RATCHET TOOL)

NON-INSULATED TERMINAL & SLEEVE
0.3 / 0.5 · 0.75 · 1.25 · 2mm²
HANDLE COLOR : RED



WEIGHT = 250g LENGTH = 180mm (SHORT HANDLE)

NH 82 (HAND RATCHET TOOL)

HEAT SHRINK TERMINAL (SR.SB)
0.5mm², 1.25mm², 2mm², 5.5mm²
HANDLE COLOR : BLUE



WEIGHT = 500g LENGTH = 294mm

NH 40 (HAND RATCHET TOOL)

SQ CE-1HP · 2HP · 5HP
HANDLE COLOR : PINK

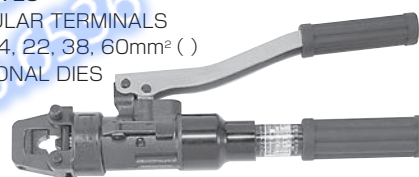


WEIGHT = 550g LENGTH = 272mm

●NOP 60 (HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES

TUBULAR TERMINALS
(8) 14, 22, 38, 60mm² ()
OPTIONAL DIES



WEIGHT = 2.1kg LENGTH = 364mm OUTPUT = 54KN

○NH 71 (HAND RATCHET TOOL)

110 SERIES EASY LOCK CONNECTOR
0.2 ~ 0.3, 0.5 ~ 0.75, 0.9 ~ 1.25mm²
HANDLE COLOR : RED



WEIGHT = 300g LENGTH = 210mm

NH25A (HAND RATCHET TOOL)

CLAMP CONNECTORS
7, 11, 16mm²
HANDLE COLOR : BLUE



WEIGHT = 510g LENGTH = 264mm

NH79 (HAND RATCHET TOOL)

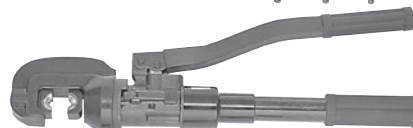
WIRE ENDS
TE0.5 ~ TE6
HANDLE COLOR : GREEN (BLACK)



WEIGHT = 360g LENGTH = 200mm

NOP 120 (HYDRAULIC TOOL)

CLAMP CONNECTORS
20, 26, 44, 60, 76, 98, 122mm²



WEIGHT = 2.9kg LENGTH = 460mm OUTPUT = 59KN

UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ● : JIS ○ : UL·CSA

CRIMPING TOOL

●NOP 150HA (HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
14, 22, 38, 60, 70, 80, 100, 150mm²



WEIGHT=4.0kg LENGTH=512mm OUTPUT=90KN

●NOM 60 (BATTERY OPERATED HYDRAULIC TOOL)

NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
(5.5, 8) 14, 22, 38, 60mm² () OPTION



WEIGHT 2.7kg
(W/O BATTERY)
LENGTH 286mm
OUTPUT 54KN
AC 100V

●NOM 150 (BATTERY OPERATED HYDRAULIC TOOL)

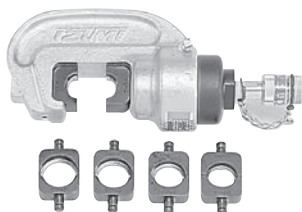
NON-INSULATED TERMINALS & SLEEVES,
TUBULAR TERMINALS
14, 22, 38, 60, 70, 80, 100, 150mm²



WEIGHT 3.1kg
(W/O BATTERY)
LENGTH 314mm
OUTPUT 88KN
AC 100V

NOH 360 (HYDRAULIC HEAD)

CLAMP CONNECTORS
154, 190, 240, 288, 365mm²
(OPTION 20, 26, 44, 60, 76, 98, 122)



WEIGHT 4.5kg
LENGTH 286mm
OUTPUT 118KN

●NOM 2500A (MOTOR DRIVEN HYDRAULIC PUMP)

WEIGHT 14kg
WIDTH 306mm
LENGTH 205mm
HEIGHT 393mm
AC 100V



●NOH 300K (HYDRAULIC HEAD)

NON-INSULATED TERMINALS
60, 80, 100, 150, 180, 200, 325mm²
(OPTION 8, 14, 22, 38, 70)



WEIGHT 7.5kg
LENGTH 210mm
OUTPUT 226KN

NP 520 (HYDRAULIC HEAD)

CLAMP CONNECTORS
154, 190, 240, 288, 365, 450, 560, 700mm²
COMPRESSION TERMINALS
14 ~ 500mm²



(ALL OPTIONAL DIES)

WEIGHT 17.5kg
LENGTH 380mm
OUTPUT 294KN

NOP 700 (HYDRAULIC PUMP)

WEIGHT 9.6kg
LENGTH 580mm
WIDTH 140mm
HEIGHT 160mm



●NOM 3000 (MOTOR DRIVEN HYDRAULIC PUMP)

WEIGHT 30kg
WIDTH 330mm
LENGTH 350mm
HEIGHT 420mm
AC 100V



UL/CSA

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ● : JIS ○ : UL·CSA

CRIMPING TOOL

PNEUMATIC TOOL

ONA 10

AIR PRESSURE 0.5MPa ~

WEIGHT 4.7kg (BODY)
3.2kg (FOOT PEDAL)

(BODY DIMENSION)

W 110mm
D 290mm
H 210mm



APPLICATOR



DIES



	PART No.	APPLICABLE TERMINAL
APPLICATOR	○ N10AP-T	For Insulated terminal
	○ N10AP-C	For Non-insulated & closed end
DIES	N10 04	Non-ins. 0.3mm ²
	N10 05	Non-ins. 0.75mm ²
	○ N10 01	Non-ins. 1.25mm ²
	○ N10 02	Non-ins. 2mm ²
	○ N10 03	Non-ins. 5.5mm ²
	○ N10 10	Ins. miniature (Except TMDN)
	○ N10 11	Ins. Red 1.25mm ² (Except TMDV)
	○ N10 12	Ins. Blue 2mm ² (Except TMDV)
	○ N10 13	Ins. Yellow 5.5mm ² (Except TMDV)
	N10 21	Ins. Red TMDV 1.25mm ²
	N10 22	Ins. Blue TMDV 2mm ²
	N10 23	Ins. Yellow TMDV 5.5mm ²
	N10 31	Closed end CE 1
	N10 32	Closed end CE 2
	N10 33	Closed end CE 5

PNEUMATIC TOOL

ONA 3

AIR PRESSURE 0.5 ~ 0.6MPa

WEIGHT 2.0kg (BODY)
1.5kg (FOOT PEDAL)



DIES



TABLE OF DIES

PART NUMBER	APPLICABLE TERMINAL
○ N3 5	Ins. Miniature 0.3/0.5mm ²
○ N3 7	Non-ins. 1.25 · 2 · 3.5/5.5mm ²
○ N3 11	Ins. Red 1.25mm ² (Except TMDV)
○ N3 12	Ins. Blue 2mm ² (Except TMDV)
○ N3 13	Ins. Yellow 5.5mm ² (Except TMDV)
○ N3 14	Closed end CE2/5 · EC2-2/2-3/3-1
N3 15	Heat shrink (SB) 0.5mm ²
N3 16	Heat shrink (SB) 1.25 · 2mm ²
○ N3 34	Closed end CE1/2 · EC1-1/2-2/2-3
○ N3 36	Closed end CE8
N3 69	Non-ins. 0.75mm ²
○ N3 70	Non-ins. 0.3/0.5mm ²

PNEUMATIC TOOL

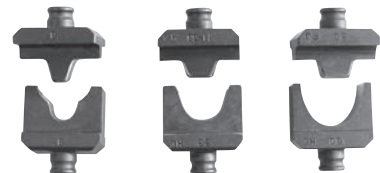
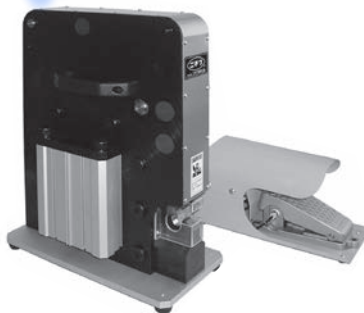
NA 20

AIR PRESSURE 0.6MPa or more

WEIGHT 39kg (BODY)
3.2kg (FOOT PEDAL)

(BODY DIMENSION)

W 160mm
D 323mm
H 439mm



(8), 14, 22, 38, 60mm²
() Optional Dies

HYDRAULIC HEAD

NP 1000

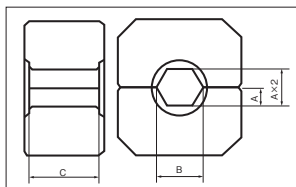
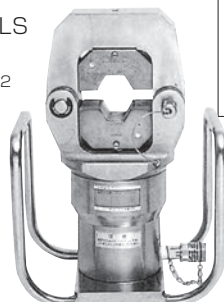
COMPRESSION TERMINALS

OUTPUT 490KN

RANGE 14 ~ 1000mm²

WEIGHT 30kg

LENGTH 396mm



APPLICABLE TERMINAL	VERTEX DISTANCE	DIES FOR NP-520			DIES FOR NP-1000		
		A	B	C	A	B	C
14~38	14	6.06	14	42	6.06	14	60
45~70	19	8.23	19	37	8.23	19	
75~100	23	9.96	23	31	9.96	23	53
110~125	26	11.26	26	27	11.26	26	47
150	29	12.56	29	24	12.56	29	42
180~200	32	13.86	32	22	13.86	32	38
240	36	15.59	36	20	15.59	36	34
250	38	16.45	38	19	16.45	38	32
325	42	18.19	42	17	18.19	42	29
400~500	47	20.35	47	15	20.35	47	26
600	51				22.08	51	24
725~850	56				24.25	56	22
1000	64				27.71	64	19

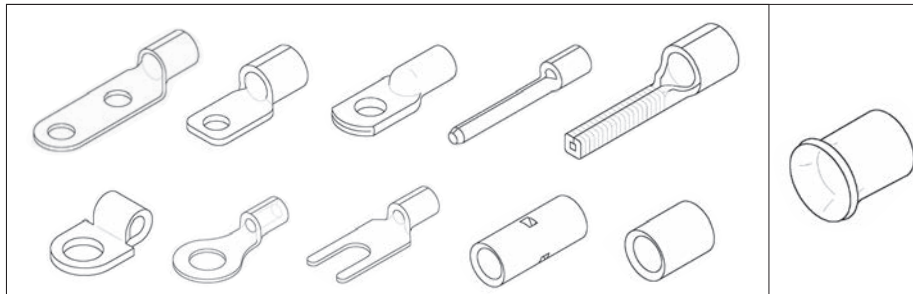
Unit:mm

UL/CSA

Crimp with our tool for UL/CSA listed products. Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ○ : UL·CSA

TOOL SELECTION

																										
TYPE OF TERMINAL			NON-INS TERMINALS (RING · SPADE · PIN · FLAG) · SLEEVES · TUBULARS																		OPEN ENDS					
TOOL PART No.			AWG	24-20	22-18	22-16	16-14	12-10	8	6	4	2	1/0	2/0	3/0	4/0	250-300 MCM	300-350 MCM	400 MCM	-	500-600 MCM	12-10	12-10	8	6	
			mm²	0.3	0.75	1.25	2.0	3.5 5.5	8	14	22	38	60	70	80	100	150	180	200	250	325	S.S	S	M	L	
HAND TOOL	● NH 1																									
	● NHE 4																									
	● NH 9																									
	NH 20 (FLAG RING)																									
	○ NH 60																									
	○ NH 61																									
NH 69																										
HYDRAULIC TOOL	● NOP 60								※																	
	● NOP 150HA																									
HEAD	● NOH 300K								※	※	※	※		※												
BATTERY OPERATED HYDRAULIC TOOL	● NOM 60							※	※																	
	● NOM 150																									
PNEUMATIC TOOL	BODY NA 3	● N3 69																								
		● N3 70																								
		○ N3 7																								
	BODY NA 10	● N10 01																								
		● N10 02																								
		● N10 03																								
		● N10 04																								
		● N10 05																								
	BODY NA 20	● N20 08																								
		● N20 14																								
		● N20 22																								
		● N20 38																								
		● N20 60																								

TOOL PART No.		TERMINAL	CLAMP CONNECTORS															
			14~ 20	21~ 26	27~ 44	45~ 60	61~ 78	79~ 98	99~ 122	123~ 154	155~ 190	191~ 240	241~ 288	289~ 365	366~ 450	451~ 560	561~ 700	
HYDRAULIC TOOL	NOP 120																	
HEAD	NOH 360	※	※	※	※	※	※	※										
	NP 520								※	※	※	※	※	※	※	※	※	
HAND TOOL	NH 25A	ONLY T7・T11・T16																

TOOL PART No.		TERMINAL	COMPRESSION TERMINALS																	
			14	22~38	45~70	75~100	110~125	150	180~200	240	250	325	400~500	600	725~850	1000				
HEAD		● NP 520	※	※	※	※	※	※	※	※	※	※	※	※	※	※				
		● NP 1000	※	※	※	※	※	※	※	※	※	※	※	※	※	※				

HYDRAULIC PUMP		HYDRAULIC HEAD (Any combinations with pump & head are acceptable.)	
PUMP	● NOP 700	● NOH 300K	
HEAD	● NOM 2500A	● NOH 360	
	● NOM 3000	● NP 520	
		● NP 1000	

UL/CSA Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL-CSA ● : JIS ○ : UL-CSA

※ : Optional dies.

TOOL SELECTION

																					NOTE				
			TYPE OF TERMINAL				INSULATED TERMINALS				INSULATED DISCONNECTS				CLOSED END				HEAT SHRINKABLE TERMINALS				110 EASY LOCK CONNECTORS		
TOOL PART No.			AWG		mm ²		24-20	22-16	16-14	12-10	22-18	22-16	16-14	12-10	22-16	16-14	12-10	8	22-18	18-16	16-14	12-10	24-22	20-16	
							0.3~0.5	1.25	2.0	3.5~5.5	0.5	1.25	2.0	5.5	1.25	2.0	3.5~5.5	8.0	0.3~0.5	0.75~1.25	2.0	5.5	0.2~0.3	0.5~1.25	
HAND TOOL	○ NH 5																								
	○ NH 11																								
	○ NH 12																								
	○ NH 13																								
	○ NH 32																								
	○ NH 37																								
	△ NH 36B																								
	○ NH 60																								
	○ NH 71																								
	NH 82																								
PNEUMATIC TOOL	○ BODY NA 10	○ N10 10																							
		○ N10 11																							
		○ N10 12																							
		○ N10 13																							
		N10 21		D																					
		N10 22			D																				
		N10 23				D																			
		N10 31																							
		N10 32																							
		N10 33																							
	○ BODY NA 3	○ N3 5																							
		○ N3 11																							
		○ N3 12																							
		○ N3 13																							
		○ N3 14																							
		N3 15																							
		N3 16																	☆	☆					
		○ N3 34																							
		○ N3 36																							

Crimp with our tool for UL/CSA listed products.

Otherwise crimps may not be approved by UL/CSA.

NOTE 1) ● : JIS, UL·CSA ● : JIS ○ : UL·CSA △ : UL

※ : Optional dies. ☆ : Sleeve only

D : TMDV only

REFERENCE

- AMPERAGE RATING
- CONVERSION TABLE FOR AWG WIRE

AMPERAGE RATING

Amperage rating is determined by the wire size.

WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)	WIRE SIZE		RATING (A)
STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)	STRANDEDmm ²	SOLIDmm	INS.WIRE (PVC/RUBBER)
	5.0	107	500		842	38		162
	4.0	81	400		745	30		139
	3.2	62	325		650	22		115
	2.6	48	250		550	14		88
	2.0	35	200		460	8		61
	1.6	27	150		395	5.5		49
	1.2	19	125		344	3.5		37
	1.0	16	100		298	2		27
1,000		1,260	80		257	1.25		19
800		1,080	60		217	0.9		17
600		930	50		190			

Amperage rating for Ring terminal with narrower width.

※ R22-5S, R22-6S, R22-8S (100A)

※ R38-6S, R38-8S, R38-10S (132A)

※ R60-6S, R60-8S, R60-10S (175A)

There are some exceptions in amperage rating terminals, see our products specification for details.

NOTE: CONDUCTOR MAX TEMP. 60°C
SURROUNDING TEMP. 30°C

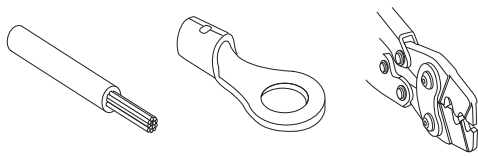
CONVERSION TABLE FOR AWG WIRE

CROSS SECTION			CROSS SECTION			CROSS SECTION		
A.W.G.	mm ²	CM	A.W.G.	mm ²	CM	A.W.G.	mm ²	CM
36	0.01	25.00	14	2.08	4,096	00 (2/0)	67.51	133,225
34	0.02	39.69	12	3.33	6,561	000 (3/0)	85.16	168,100
32	0.03	63.21	10	5.27	10,404	0000 (4/0)	107.22	211,600
30	0.05	100	8	8.30	16,384		126.68	250,000
28	0.08	158.8	6	13.30	26,244		152.01	300,000
26	0.13	253	5	16.78	33,124		177.38	350,000
24	0.20	404	4	21.09	41,616		202.68	400,000
22	0.32	640	3	26.57	52,441		253.35	500,000
20	0.52	1,024	2	33.94	66,564		304.02	600,000
18	0.81	1,600	1	42.22	83,521			
16	1.32	2,601	0 (1/0)	53.52	105,625			

NOTE: CM Circular mil
MCM = CM × 1000

BASIC GUIDE TO TERMINAL CRIMPING

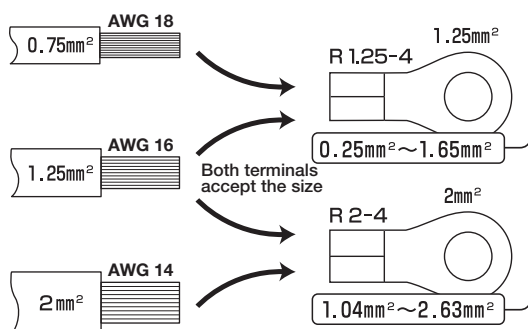
1 Selection Process



① The correct terminal size is dictated by the size of the wire you are using

Acceptable Wire Size

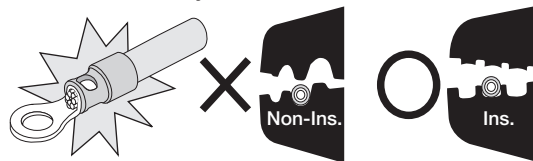
Each terminal has an acceptable wire size range



! To prevent from wire slip off or snap, select right terminal to the use.

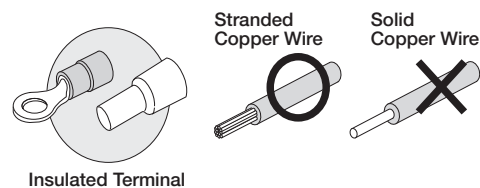
! SELECT RIGHT TOOL TO THE TYPE OR SIZE OF TERMINAL.

The insulator may be split and exposed when the tool is misused, and may cause an electrical short circuit.



! DO NOT CRIMP AN INSULATED TERMINAL INSERTED SOLID COPPER WIRE.

Stranded copper wire only. For solid copper wire can be crimped by only the non-insulated terminal.

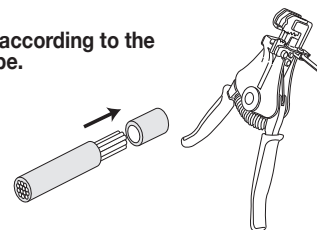


2 CRIMPING INSTRUCTIONS

① Strip the Wire

Strip the wire to be crimped according to the instructions for each wire type.

The length of the insulation to be removed is dependant on the terminal type and shape.



② How to select the correct tool

Select right tool, based on the size and type of the terminal.

Type of terminal	Correct tool
Non-Insulated Terminal	Crimp tool for non-insulated terminal Single Jaw Crimp the center of the barrel.
Insulated Terminal	Crimp tool for insulated terminal Double Jaw
Insulated Closed End	Crimp tool for insulated closed end Single Jaw

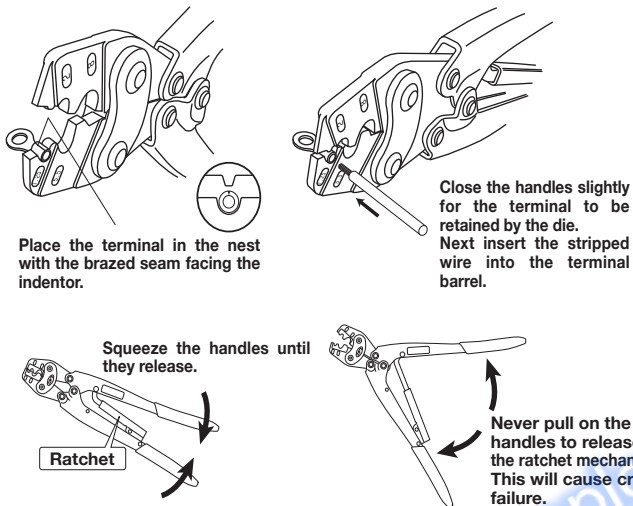
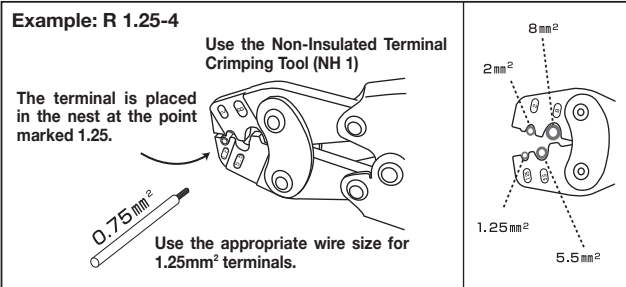
APPROXIMATE STRIP LENGTH

Non-Insulated Terminal Approx.: 1mm Approx.: 1mm	OPEN-END SLEEVE Strip longer than the sleeve length by 1.5~3.5mm. (a) + (1.5~3.5mm) Combine the tip of the conductors, making sure ends are even. Cover the crimped end sleeve with insulation tape or cap. INSULATION CAP "VAC"
Non-Insulated Parallel Connector Approx.: 1mm Approx.: 1mm	
Non-Insulated Butt Connector Approx.: 1mm Approx.: 1mm	
Insulated Terminal Approx.: 1mm	
Insulated Closed End	The length between the sleeve and the end of the insulator varies by the size. Strip each wire to reach the end of the insulator.

BASIC GUIDE TO TERMINAL CRIMPING

② Crimping

Select the die of the crimping tool by the terminal size.

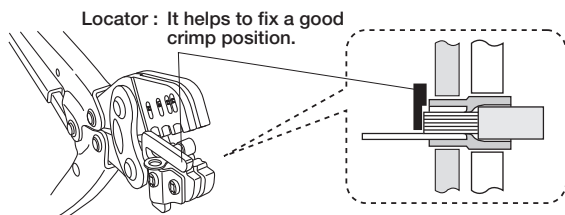


! DO NOT REMOVE THE RATCHET.

The ratchet mechanism is designed to ensure proper crimps.

! CRIMPING INSTRUCTIONS FOR INSULATED TERMINAL

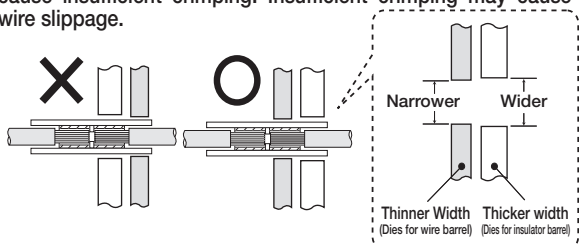
The tool for the insulated terminal has double jaws. One jaw crimps the terminal barrel and the other crimps the insulation.



Remove the locator when crimping insulated sleeves, disconnects.

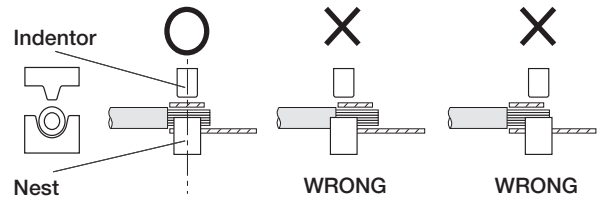
! Crimp Direction

Using the wrong dies or reversing the terminal placement will cause insufficient crimping. Insufficient crimping may cause wire slippage.



! CORRECT CRIMP POSITION

Crimp the center of the terminal barrel.



NON-INSULATED TERMINAL • ESLEEVE	INSULATED TERMINAL • ESLEEVE
CROSS SECTIONAL AREA CRIMPED TERMINAL CONDUCTORS	CROSS SECTIONAL AREA CRIMPED TERMINAL INSULATOR CONDUCTORS
NON-INSULATED PARALLEL CONNECTOR 	INSULATED TERMINAL
NON-INSULATED BUTT CONNECTOR 	INSULATED BUTT CONNECTOR

③ INSPECTION

NON-INSULATED TERMINAL	INSULATED TERMINAL	JUDGEMENT
		○ Good crimp
		✗ WRONG
		✗ WRONG
		✗ WRONG
		✗ WRONG