Brass Nylon Insulated Terminals - Male/Female/Flag Sleeves JW-TM03

Model No. JW-TM03



SPECIFICATIONS

Material	Brass
Sheath	Nylon
Temperature Rating	105°C
Surface Treatment	Tin plating
Terminal Types	Male, Female, Flag sleeves
Installation	Crimp connection (no welding required)

JW-TM03 is a brass terminal with a nylon insulating sleeve, tin plated and rated 105°C, supplied as male tabs, female receptacles and flag sleeves. Connection is by crimping only - no welding or soldering at the joint - and the sleeve covers the barrel and the insulation entry.

A soldered joint on a stranded harness wicks solder into the strands and creates a hard, brittle section right where the wire flexes. TM03 crimps instead: the barrel is deformed onto the strand bundle and the nylon sleeve takes the bend behind it. Brass holds the tab geometry under repeated mating better than annealed copper, and the flag body turns the exit 90 degrees so the wire can leave a shallow enclosure.

The three body styles separate TM03 from the rest of the series. TM01 is a closed-eye ring, TM02 a non-insulated open fork, TM04 a pin terminal; TM03 is the only one covering male, female and flag bodies in a single series, which lets one harness use a common crimp tool and sleeve system across all three joints.

Key Features

1. Brass body, tin plated, holding tab and receptacle dimensions through repeated mating cycles better than annealed copper.

2. Nylon sleeve rated 105°C, covering the barrel and the insulation entry so flex load bypasses the crimp.

3. Three body styles in one series - male tab, female receptacle and flag sleeve - on a common crimp and sleeve system.

4. Crimp connection only, no welding or soldering, keeping the strand bundle annealed at the joint and the cycle free of heat.

5. Flag body turns the wire exit 90 degrees, for terminals set against a wall or under a low cover where a straight tab will not fit.

6. Push-on mating on the male and female bodies allows a joint to be opened for service without cutting the wire.

Technical Specifications

Parameter	Specification
Model	JW-TM03
Product type	Insulated male / female / flag terminal
Material	Brass
Sheath	Nylon
Temperature rating	105°C
Surface treatment	Tin plating
Terminal types	Male, female, flag sleeve
Installation	Crimp connection, no welding required
Supply form	Carrier strip

Applications

— Control panel wiring - male and female push-on joints on relays, contactors and terminal adapters in 105°C cabinets.

— Appliance harnesses - flag terminals on elements and switches where the wire must exit at right angles to the tab.

— Automotive low-voltage circuits - male and female pairs on lamps, motors and sensors that are unplugged for service.

— Battery and power distribution - male tab joints on fuse holders and distribution blocks inside shallow enclosures.

— Pump, fan and solenoid leads - flag sleeve terminations where the terminal sits against a housing wall with no straight clearance.

High Quality | Resistant | Multicolor | Safe

With insulated sheathed tube terminal

Complete models to meet your shopping needs



With insulation sheath fork terminal

Safe and secure crimping (for flexible cords)
Current: 19A-48A
Bolt diameter: 3.2~10.5mm



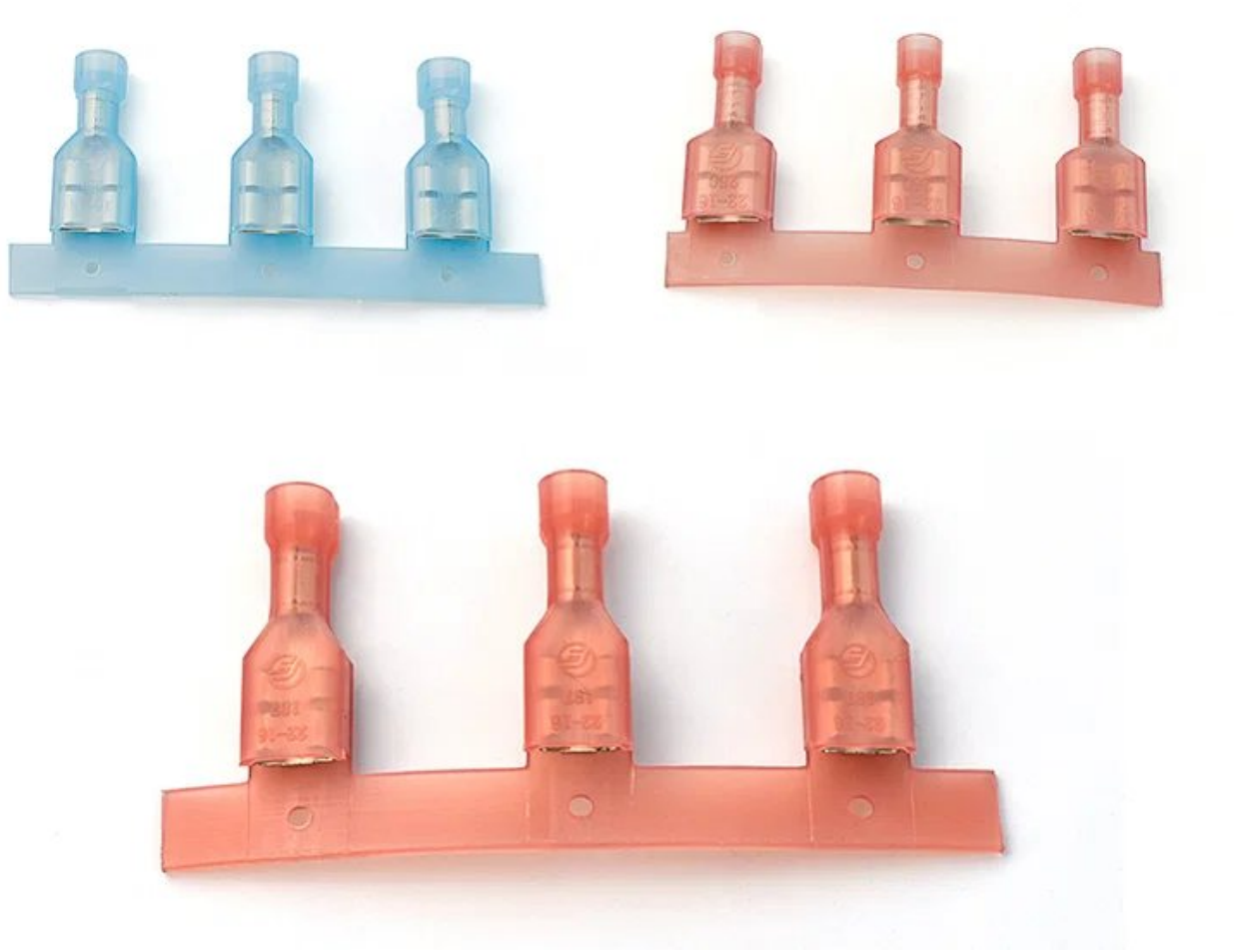
With insulating sheath round terminal

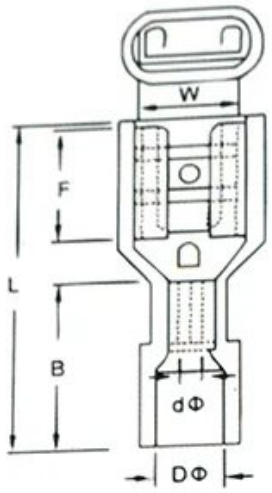
Flame retardant tin plating, good electrical conductivity

Maximum current: 19A-48A
Bolt diameter: 3.2~10.5mm



Insulation sheath female terminal (oval mouth)



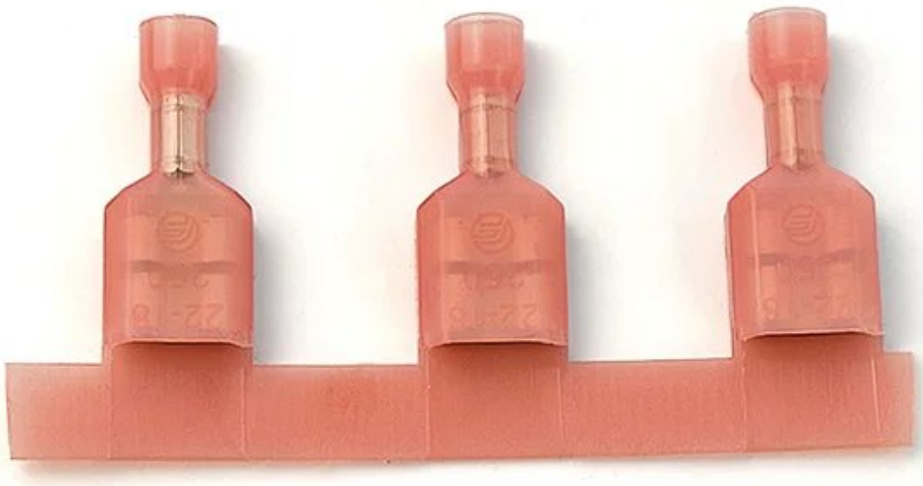


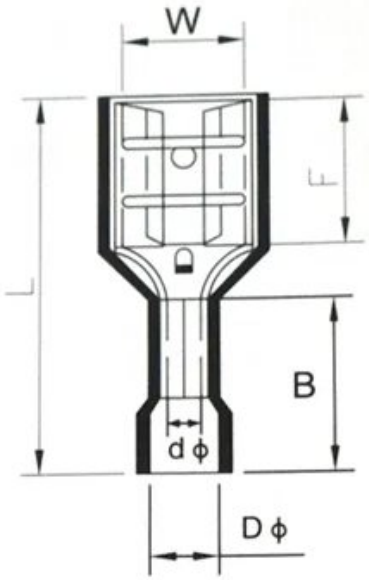
Material: Brass
Sheath: Nylon
Temperature: 105°C
Surface Treatment: Tin Plating

UL LISTED E341425 c UL CE SGS

型号 Item NO	导线截面mm² Cable Size A.W.G	最大电流 Max Current	接插规格 Connecting spec.	材料厚度 Thickness (mm)	尺寸 Dimension(mm) W	F	L	B	Dϕ	dϕ	颜色 Color
FDFN 1.25-110(5)	0.5~1.5 (22~16)	10A	0.5×2.8	0.3	4.0	6.4	19.0	10.5	4.5	1.7	red
FDFN 1.25-110(8)			0.8×2.8	0.3	4.0	6.4	19.0	10.5	4.5		
FDFN 1.25-187(5)			0.5×4.75	0.4	5.0	6.4	21.4	10.5	3.5		
FDFN 1.25-187(8)			0.8×4.75	0.4	5.0	6.4	21.4	10.5	3.5		
FDFN 1.25-250			0.8×6.35	0.4	7.6	7.3	22.0	11.0	4.5		
FDFN 2-187(5)	1.5~2.5 (16~14)	15A	0.8×4.75	0.4	5.0	6.4	21.4	10.5	4.2	2.3	blue
FDFN 2-187(8)			0.8×4.75		5.0	6.4	21.4	10.5	4.2	2.3	
FDFN 2-250			0.8×6.35		7.6	7.3	22.0	11.0	4.8	2.3	
FDFN 5-250	4~6 (12~10)	24A	0.8×6.35	0.45	7.6	7.3	24.2	13.0	6.7	3.4	yellow

Insulation sheath female terminal (square mouth)





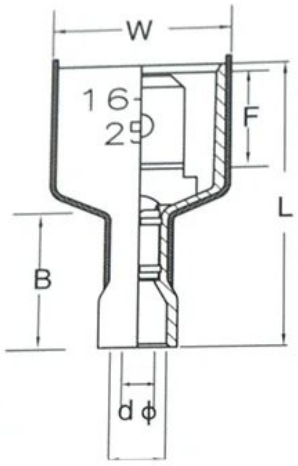
Material: Brass
Sheath: Nylon
Temperature: 105°C
Surface Treatment: Tin Plating

Item NO	Cable Size A.W.G	Max Current	Connecting spec.	Thickness (mm)	Dimension(mm)						Color
					W	F	L	B	D ϕ	d ϕ	
FDFN 1.25-110(5)	0.5~1.5 (22~16)	10A	0.5 × 2.8	0.3	4.0	6.4	18.7	9.0	3.1	1.7	紅 red
FDFN 1.25-110(8)			0.8 × 2.8	0.3	4.0	6.4	18.7	9.0	3.1		
FDFN 1.25-187(5)			0.5 × 4.75	0.35	5.9	6.4	22.0	10.5	3.7		
FDFN 1.25-187(8)			0.8 × 4.75	0.35	5.9	6.4	22.0	10.5	3.7		
FDFN 1.25-250			0.8 × 6.35	0.4	7.6	7.6	22.0	10.0	4.5		
FDFN 2-110(5)	1.5~2.5 (16~14)	15A	0.5 × 2.8	0.3	4.0	6.4	18.7	9.0	4.2	2.3	藍 blue
FDFN 2-110(8)			0.8 × 2.8	0.3	4.0	6.4	18.7	9.0	4.2	2.3	
FDFN 2-187(5)			0.8 × 4.75	0.35	5.9	6.4	21.8	10.0	4.2	2.3	
FDFN 2-187(8)			0.8 × 4.75	0.35	5.9	6.4	21.8	10.0	4.2	2.3	
FDFN 2-250			0.8 × 6.35	0.4	7.6	7.6	22.0	11.0	4.3	2.3	
FDFN 5.5-250	4~6 (12~10)	24A	0.8 × 6.35	0.45	7.6	7.6	23.7	13.0	8.5	3.4	黃 yellow

Fully insulated sheath male terminal (square mouth)







Material: Brass
Sheath: Nylon
Temperature: 105°C
Surface Treatment: Tin Plating

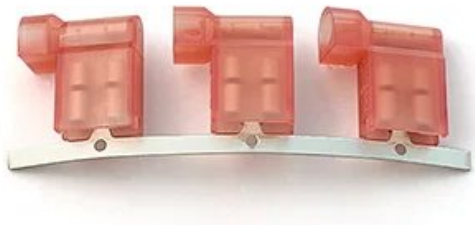
Item NO	Cable Size A.W.G	Max Current	Connecting spec.	Thickness (mm)	Dimension(mm) W	F	L	B	D ϕ	d ϕ	Color
MDFN1.25-187(5)	0.5~1.5 (22~16)	10A	0.5x4.8	0.5	10.4	6.3	20.4	10.0	3.6	1.7	red
MDFN1.25-187(8)	0.5~1.5 (22~16)	10A	0.8x4.8	0.8	10.4	6.3	20.4	10.0	3.6	1.7	
MDFN1.25-250	0.5~1.5 (22~16)	10A	0.8x6.35	0.8	12.3	7.7	21.8	10.0	3.6	1.7	

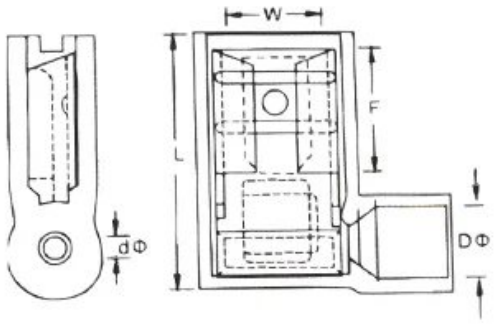
Item NO	Cable Size A.W.G	Max Current	Connecting spec.	Thickness (mm)	Dimension(mm) W	F	L	B	D ϕ	d ϕ	Color
MDFN2-187(5)	1.5~2.5 (16~14)	15A	0.5x4.8	0.5	10.4	6.3	20.4	10.0	4.3	2.3	blue
MDFN2-187(8)	1.5~2.5 (16~14)	15A	0.8x4.8	0.8	10.4	6.3	20.4	10.0	4.3	2.3	
MDFN2-250	1.5~2.5 (16~14)	15A	0.8x6.35	0.8	12.3	7.7	21.8	10.0	4.3	2.3	

Item NO	Cable Size A.W.G	Max Current	Connecting spec.	Thickness (mm)	Dimension(mm) W	F	L	B	D ϕ	d ϕ	Color
MDFN5.5-250	4~6 (12~10)	24A	0.8x6.35	0.8	12.3	7.7	21.8	10.0	6.5	3.4	yellow

Fully Insulated Sheathed Flag Female Terminals







Material: Brass
Sheath: Nylon
Temperature: 105°C
Surface Treatment: Tin Plating

型号 Item NO	导线截面mm² Cable Size A.W.G	最大电流 Max Current	接插规格 Connecting spec.	材料厚度 Thickness (mm)	尺寸 Dimension(mm) W	F	L	Dϕ	dϕ	颜色 Color
FLDNY1.25-187(5)	0.5~1.5 (22~16)	10A	0.5x4.8	0.4	6.9	7.0	16.6	4.6	1.7	红 red
FLDNY1.25-187(8)	0.5~1.5 (22~16)	10A	0.8x4.8	0.4	6.9	7.0	16.6	4.6	1.7	
FLDNY1.25-250	0.5~1.5 (22~16)	10A	0.8x6.35	0.4	8.5	8.0	16.6	4.6	1.7	

型号 Item NO	导线截面mm² Cable Size A.W.G	最大电流 Max Current	接插规格 Connecting spec.	材料厚度 Thickness (mm)	尺寸 Dimension(mm) W	F	L	Dϕ	dϕ	颜色 Color
FLDNY2-187(5)	1.5~2.5 (16~14)	15A	0.5x4.8	0.4	6.9	7.0	16.6	5.3	2.3	蓝 blue
FLDNY2-187(8)	1.5~2.5 (16~14)	15A	0.8x4.8	0.4	6.9	7.0	16.6	5.3	2.3	
FLDNY2-250	1.5~2.5 (16~14)	15A	0.8x6.35	0.4	8.5	8.0	16.6	5.3	2.3	

Blue, red and yellow insulated fork terminals with CE mark and current rating

Insulated tube terminals in orange, blue, white and red, CE marked

Three red fully insulated flag female terminals on a strip with dimension drawing

Non-insulating blade terminals on strip with CE mark and dimension drawing