

Electrical Interconnect Devices

Heat-shrinkable, environmentally sealed, nylon crimp terminals and disconnects



Applications

- Automotive/truck wiring repair and maintenance.
- Automotive accessory installations.
- OEM automotive/truck/RV wire harness fabrication.
- Marine electronics.
- Fleet maintenance.
- Commercial wiring (pumps/pools/spas).

Features/Benefits

- Protects splices from water, condensation, salt and corrosion.
- Provides strain relief.
- Protects against vibration in rugged environments.
- Completely insulates and protects electrical connections.
- Has adhesive lining for protection that is more reliable than conventional splices.
- UL listed.

Product Characteristics

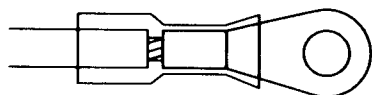
Typical performance

Operating temperature	-55°C to +125°C
Shrink ratio	Approximately 2:1
Physical properties	Cut-through resistance: 31.7 kg (70 lb) Wire pullout after crimping and recovery: red: 11.3 kg (25 lb); blue: 22.7 kg (50 lb); yellow: 27.2 kg (60 lb) Not flame-retardant No cracking after heat ageing for 168 h at +160°C
Chemical properties	Solvent resistance: isopropyl alcohol, trichloroethylene, petrol, battery acid, diesel fuel, motor oil, antifreeze, break fluid, 5% salt water
Electrical properties	Dielectric strength: 1000 V

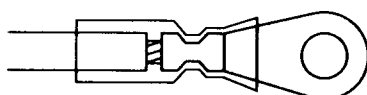
Specifications/Approvals

Series	Agency	Raychem
B-106	Lloyds Listed, File 65 247 HH 02-93 UL Listed 91J4, File E87681	RB-108

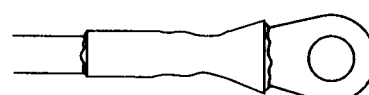
Installation



1. Select appropriate size. For terminal and disconnect terminations, strip wire 6.3 mm (1/4 inch).



2. Crimp using Raychem AD-1522-T crimp tool for preinsulated crimps.



3. Heat terminal or disconnect with heat gun until tubing recovers and adhesive flows. Avoid heating ring or fork metallic parts.

For proper installation of these devices the correct heating tool and reflector attachment must be used. The Raychem HL1802E heating tool is recommended.

You will find ordering information for this tool in the Tools and Accessories section of this catalogue.











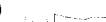
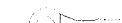










Refer to Raychem installation procedure RPIP-654-00 for detailed instructions.

Ordering Information






1. Determine type of terminal or disconnect required.
2. Determine wire size and stud size (for terminals).
3. Select relevant part number from tables below.

Part Number Selection

Ring and fork terminals table - dimensions in mm (inches)

Terminal Colour	Red	Blue	Yellow
Wire size	22-18 AWG (0.5-1.5 mm ²)	16-14 AWG (1.5-2.5 mm ²)	12-10 AWG (3-6mm ²)
Stud size	Part number	Stud size	Part number
3 (size 6)	B-106-1301 (bulk) DR-2-30 (box) 	3 (size 6) B-106-1302 (bulk) DR-6-30 (box) 	
4 (size 8)	B-106-1401 (bulk) DR-2-40 (box) 	4 (size 8) B-106-1402 (bulk) DR-6-40 (box) 	4 (size 8) B-106-1403 (bulk) DR-4-40 (box) 
5 (size 10)	B-106-1501 (bulk) DR-2-50 (box) 	5 (size 10) B-106-1502 (bulk) DR-6-50 (box) 	5 (size 10) B-106-1503 (bulk) DR-4-50 (box) 
6 (1/4)	B-106-1601 (bulk) DR-2-60 (box) 	6 (1/4) B-106-1602 (bulk) DR-6-60 (box) 	6 (1/4) B-106-1603 (bulk) DR-4-60 (box) 
8 (3/16)	B-106-1801 (bulk) DR-2-80 (box) 	8 (3/16) B-106-1802 (bulk) DR-6-80 (box) 	8 (3/16) B-106-1803 (bulk) DR-4-80 (box) 
10 (3/8)	B-106-1991 (bulk) DR-2-100 (box) 	10 (3/8) B-106-1992 (bulk) DR-6-100 (box) 	10 (3/8) B-106-1993 (bulk) DR-4-100 (box) 
4 (size 8)	B-106-2401 (bulk) DF-2-40 (box) 	4 (size 8) B-106-2402 (bulk) DF-6-40 (box) 	4 (size 8) B-106-2403 (bulk) DF-4-40 (box) 
		5 (size 10) B-106-2502 (bulk) DF-6-50 (box) 	5 (size 10) B-106-2503 (bulk) DF-4-50 (box) 

Push-ons table - dimensions in mm (inches)


Terminal Colour	Red	Blue	Yellow
Wire size	22-18 AWG (0.5-1.5 mm ²)	16-14 AWG (1.5-2.5 mm ²)	12-10 AWG (3-6mm ²)
Tab size	Part number	Stud size	Part number
2.8 x 0.5 (.110 x .020)	B-106-3281 (bulk) DP-2-28 (box) 		
4.8 x 0.5 (.189 x .020)	B-106-3481 (bulk) DP-2-48 (box) 		
6.35 x 0.8 (.250 x 0.32)	B-106-3631 (bulk) DP-2-63 (box) 	6.35 x 0.8 (250 x 0.32)	B-106-3632 (bulk) DP-6-63 (box) 
			6.35 x 0.8 (.250 x .032) B-106-3633 (bulk) DP-4-63 

Tabs table - dimensions in mm (inches)



Terminal Colour	Red	Blue
Wire size	22-18 AWG (0.5-1.5 mm ²)	16-14 AWG (1.5-2.5 mm ²)
Tab size	Part number	Tab size
6.35 x 0.8 (.250 x 0.32)	B-106-4631 (bulk) DP-2-63 (box)	6.35 x 0.8 (.250 x .032) B-106-4632 (box) DP-6-63 (box)

Electrical Interconnect Devices

Pin terminals table - dimensions in mm (inches)

Terminal Colour	Red
Wire size	22-18 AWG (0.5-1.5 mm ²)
Pin dia	Part number
2	B-106-6201 (bulk)
(.079)	DB-2-20 (box) 

Bullet terminals table - dimensions in mm (inches)

Terminal Colour	Red			Blue		
Wire size	22-18 AWG (0.5-1.5 mm ²)			16-14 AWG (1.5-2.5 mm ²)		
Diameter size	Type	Part number		Diameter size	Type	Part number
4	Male	B-106-7401 (bulk)		5	Male	B-106-7502 (bulk)
(.157)		DB-2-40 (box)		(.197)		DB-6-50 (box)
4	Female	B-106-8401 (bulk)		5	Female	B-106-8502 (bulk)
(.157)		DP-2-40 (box)		(.197)		DP-6-50 (box)

Packaging

- Bulk plastic bags contain 1000 pieces (blue, red) or 500 pieces (yellow); B-106-XXXX.
- Plastic boxes contain 100 pieces (blue, red) or 50 pieces (yellow); DR-/DF-/DB-/DP- part numbers.
- Other packaging: please consult Raychem or your local distributor.