

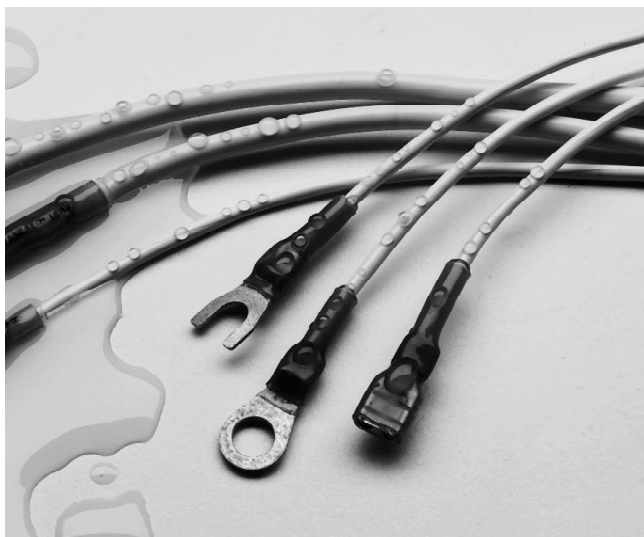
Insulated Terminals and Disconnects

DuraSeal heat-shrinkable, environmentally sealed, nylon-insulated crimp terminals and disconnects

Fax-on-Demand: (800) 260-9099
(650) 361-6523

FAX ID	Description
5100	Data sheet

Before ordering check with factory for most current data.



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



Product Selection Process

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

Part Number Selection (mm/in)

Ring and Fork Terminals

Stud size	Part Numbers		
	Red	Blue	Yellow
	22–18 AWG (0.5–1.5 mm²)	16–14 AWG (1.5–2.5 mm²)	12–10 AWG (3–6mm²)
4 (8)	B-106-1401	B-106-1402	B-106-1403
5 (10)	B-106-1501	B-106-1502	B-106-1503
6 (1/4)	B-106-1601	B-106-1602	B-106-1603
8 (5/16)	B-106-1801	B-106-1802	B-106-1803
10 (3/8)	B-106-1991	B-106-1992	B-106-1993

Fork Terminals

Stud size			
4 (8)	B-106-2401	B-106-2402	B-106-2403
5 (10)		B-106-2502	B-106-2503

Push-ons

Tab size			
2.8 x 0.5 (.110 x .020)	B-106-3281		
4.8 x 0.5 (.187 x .020)	B-106-3481		
6.35 x 0.8 (.250 x .032)	B-106-3631	B-106-3632	B-106-3633

Tabs

Tab size		
6.35 x 0.8 (.250 x .032)	B-106-4631	B-106-4632

Pin Terminals

Pin diameter	Part Numbers
	Red
2 (.080)	22–18 AWG (0.5–1.5 mm ²) B-106-6201

Bullet Terminals

Diameter size	Type	Part Numbers	
		Red	Blue
4 (.157)	Male	22–18 AWG (0.5–1.5 mm ²) B-106-7401	16–14 AWG (1.5–2.5 mm ²) B-106-7502
4 (.157)	Female	B-106-8401	B-106-8502

Product Characteristics (Typical)

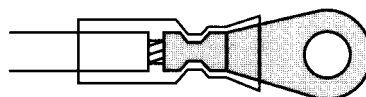
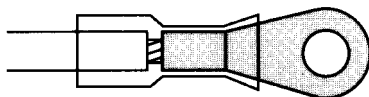
Operating temperature	–55°C to 125°C
Shrink ratio	Approximately 2:1
Physical properties	Cut-through resistance: 31.7 kg (70 lb) Wire pullout after crimping and recovery: red: 11.3 kg (25 lb); blue: 22.7 kg (50 lb); yellow: 27.2 kg (60 lb) Not flame-retardant No cracking after heat aging for 168 hr at 160°C
Chemical properties	Solvent resistance: isopropyl alcohol, trichloroethylene, gasoline, battery acid, diesel fuel, motor oil, antifreeze, brake fluid, 5% salt water
Electrical properties	Dielectric strength: 1000 V Insulation resistance: 10 megohms

Specifications/Approvals

Series	Agency	Raychem
B-106	UL and CUL 91J4, File E87681 Lloyd's listed, File 65 247 HH 02-93 UL and CUL E157833 (B-106-3XXX/B-106-4XXX)	RB-108

Installation

1. Select appropriate size. For terminal and disconnect terminations, strip wire 6.5 mm (1/4 inch).
2. Crimp using Raychem AD-1522 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 crimp tool and heating tool with reflector attachment must be used. The Raychem AD-1522 crimp tool and HL1802E heating tool are recommended.

You will find ordering information for these tools in the Application Equipment section of this catalog.

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