

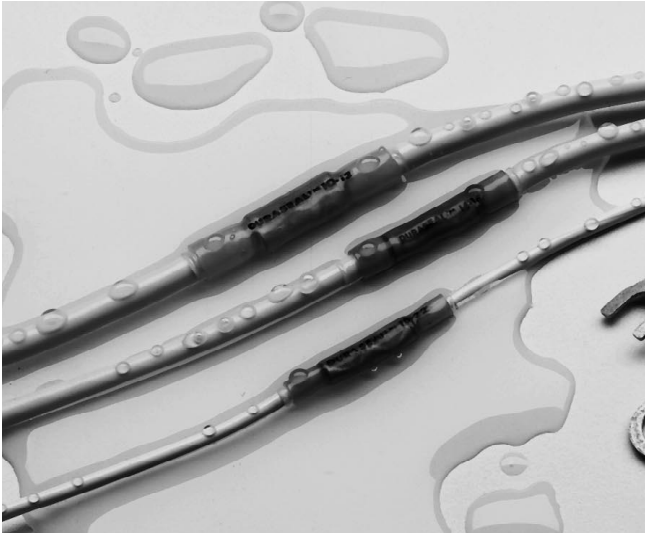
Wire-to-Wire Splicing

DuraSeal heat-shrinkable, environmentally sealed, nylon-insulated crimp splices

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 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, CUL, and Lloyd's listed.



Product Selection Process

1. Determine wire size.
2. Select part number.

Wire size

AWG	mm ²	Part number	Color
22–18	0.5–1.5	D-406-0001	Red
16–14	1.5–2.5	D-406-0002	Blue
12–10	3–6	D-406-0003	Yellow

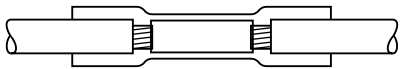
Product Characteristics (Typical)

Operating temperature	–55°C to 125°C
Shrink ratio	Approximately 2:1
Physical properties	Cut-through resistance: 31 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 h 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: 2500 Vac
	Insulation resistance: 1000 megohms at 100 Vdc

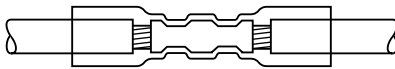
Specifications/Approvals

Series	Agency	Raychem
D-406	UL and CUL listed 91J4, File E87681	RB-107
	Lloyd's listed, File 65 247 HH 02-93	

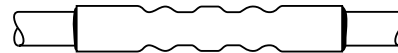
Installation



1. Select splice of appropriate size. Strip wire 7.5 mm (5/16 in). Insert into crimp barrel.



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



3. Heat crimped splice with heat gun until tubing recovers and adhesive flows.

Installation Requirements

For proper installation of these devices, the correct crimp tool and a heating tool with a 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 821-00 for detailed instructions.

DuraSeal is a trademark of Raychem Corporation.

Users should independently evaluate the suitability of the product for their application.