

High-performance, immersion-resistant crimp-style MIL-S-81824

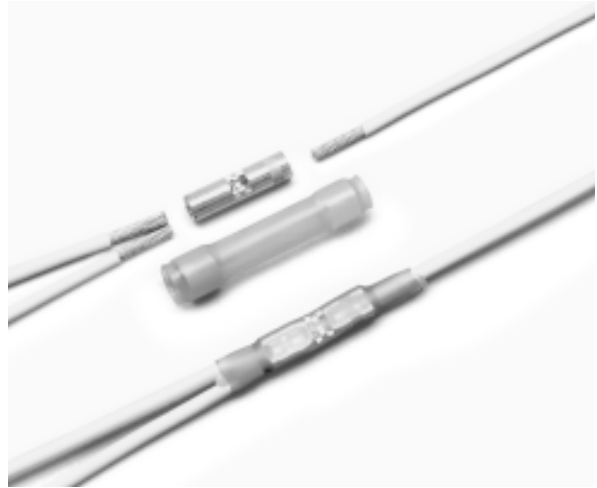
MiniSeal® Crimp Splices

Applications

Used for wire splicing where size and weight reduction and environmental sealing are critical.

Features/Benefits

- Immersion-resistant crimp splices are QPL (qualified product listing) listed for MIL-S-81824/1.
- Splices are smaller in size and lighter in weight than comparable termination methods.
- Transparent heat-shrinkable insulation sleeve provides environmental protection and strain relief.
- Splices provide sealing to unetched wire insulations, including Teflon®.
- The need to stagger wire splices per MIL-W-5088 is eliminated.



Product Characteristics

Material

Insulation	Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride (Kynar®)
Crimp barrel	Tin-plated copper
Melttable inserts	Melttable thermoplastic

Typical performance

Voltage drop	6.9 mV @ 4.5 A vs. 8.1 mV for an equal length of wire
Tensile strength	Exceeds strength of conductor
Dielectric strength	2.5 kV
Temperature rating	-55°C to 150°C
Insulation resistance	100,000 megohms

Specifications

Series	Military
D-436	MIL-S-81824/1

Installation

For proper installation of these devices the correct crimp tool (Raychem part number AD-1377), heating tool, and reflector attachment must be used. Any one of the following Raychem heating tools is recommended: CV-5300 Mini-Gun, AA-400

Super Heater, IR-550 Mark II, and IR-1759 MiniRay, and the HT-900B heating tool for field applications.

You will find ordering information for most of these tools in the "Tools and Accessories" section of this catalog.

Refer to Raychem installation procedure RCPS 200-20 for detailed instructions.

Ordering Information

1:1 splice gauge size	Raychem part number	Military part number
26-20	D-436-36	M81824/1-1
20-16	D-436-37	M81824/1-2
16-12	D-436-38	M81824/1-3