TE connectivity

Raychem C-Wrap Side Entry Repair Sleeve

Self-Adhesive for Fast, Easy, Reliable Repair and Sealing to Damaged Wire Jackets

Raychem C-Wrap Side Entry Repair Sleeve

Rugged, Reliable, and Easy Wire Jacket Sealing and Repair

EASY INSTALLATION

- Easy to install: saves time, manpower, and cost
- Color-coded to ensure proper sizing for each application
- Low profile (small diameter and short length)
- Side entry for easy access to damaged wire

MECHANICALLY ROBUST

- 150˚C rated
- Long-term performance provides a permanent repair
- Wrap-around design eliminates de-pinning of connector for repair

Description

TE Connectivity's (TE) C-Wrap repair sleeve is a side-entry sleeve designed to repair and seal a damaged wire jacket that is either chafed or has a radial crack or cut on the insulation. It consists of two pieces: the outer tubing and an adhesive inner layer.

MECHANICAL/ENVIRONMENTAL

- Environmental resistant
- Ideal for use on insulations rated at 135˚C or higher
- **Temperature range:** -65˚C to +150˚C

MATERIALS

- **Meltable Adhesive:** Modified thermoplastic fluoroelastomer
- **Insulation Sleeve:** Radiation cross-linked modified fluoropolymer

STANDARDS

- **SAE AS81824** (fluid and sealing requirements)
- **TE Performance Specification:** D-6201
- **TE Application Specification:** RPIP-1101
- **TE Qualification Test Reports:** ISTR-1134 and ISTR-1206

APPLICATION TOOLING

- **General Purpose Heat Gun:** Steinel HL1910E or HL2010E
- **SolderSleeve Reflector:** Steinel HL1802E-074616
- **Mil Spec installation tools:**
  D-150-C-11: M81969/8-08
  D-150-C-12: M81969/8-08
  D-150-C-13: M81969/8-10
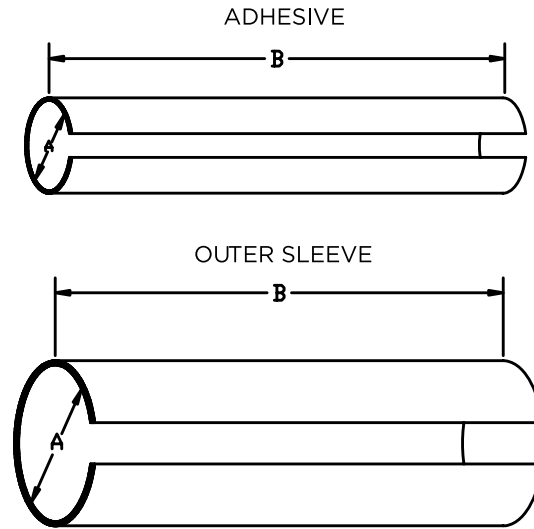 **D-150-C-14:** M81969/8-10

APPLICATIONS

- Used as a side-entry repair kit
- Repair of nicks, chafed and radial cracks on the wire in most Aerospace, Defense and Marine applications
- Prevents galvanic corrosion on center conductor
- RoHS compliant

TE Components . . . TE Technology . . . TE Know-how . . .

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ORDERING INFORMATION

ADHESIVE

OUTER SLEEVE

Part Description	Color Code	Product Dimension				Conductor	
		I.D. (A)		Cut Length (B)		AWG	Wire OD (Note*)
		Adhesive ±.05 (.002)	Sleeve ±.05 (.002)	Adhesive ±.5 (.02)	Sleeve ±.5 (.02)		
D-150-C-11	Green	1.11 (.044)	2.29 (.090)	21.59 (.85)	19.05 (.75)	26 - 24	0.80 - 1.10 (.031 - .043)
D-150-C-12	Red	1.68 (.066)	2.74 (.108)	21.59 (.85)	19.05 (.75)	22 - 20	1.10 - 1.50 (.043 - .029)
D-150-C-13	Blue	2.13 (.084)	3.43 (.135)	21.59 (.85)	19.05 (.75)	18 - 16	1.50 - 2.30 (.059 - .090)
D-150-C-14	Yellow	3.34 (.133)	4.80 (.189)	21.59 (.85)	19.05 (.75)	14 - 12	2.30 - 2.80 (.090 - .110)

MATERIALS

• **Meltable Adhesives:** Environment-resistant modified thermoplastic fluoroelastomer. Color coded.

• **Insulation Sleeve:** Heat-shrinkable, transparent, radiation cross-linked modified fluoropolymer. Color coded.

APPLICATION

• Parts are designed to provide an environment-resistant repair to damaged primary wire that has a radial crack up to 360°, nicks/scrapes not longer than 1/4" on insulations rated for 135°C minimum with no damage to the wire conductor. For insulation procedures, refer to RPIP 1101.

• Install using TE approved convection or infrared heating tools in accordance with TE. When installed with approved convection or infrared heating tools, assemblies will meet the performance requirements of TE D-6201 specification. Infrared tools are not recommended for use with black cable jackets.

• Temperature range: -65°C to +150°C.

Note*: If the O.D. of the wire is out of the range that is specified in the Table, use the next size of C-Wrap up or down

WIRE O D

D-150-C-11
(Part No. CX2001-000)
NSN 5970-01-611-8609

D-150-C-12
(Part No. CX2096-000)
NSN 5970-01-611-8596

D-150-C-13
(Part No. CX2097-000)
NSN 5970-01-611-8600

D-150-C-14
(Part No. CX2098-000)
NSN 5970-01-611-8586

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Technical Support

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4-1773463-8   07/17

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