



**Introducing**  
**Raychem D-200**  
**MiniSeal Crimp Splices**

# Raychem D-200 MiniSeal Crimp Splices

## KEY FEATURES

Immersion-resistant crimp splices while meeting all requirements of SAE-AS81824/1 (modified for 200 °C applications)

Small size, lightweight

Transparent heat-shrinkable insulation sleeve provides environmental protection and strain relief

Splices provide sealing to unetched wire insulations

No need to stagger wire splices

RoHS Compliant



## DESCRIPTION

In-line nickel plated sealed crimp splices for 200 °C applications

Developed for growing needs of high temperature applications in the aerospace and defense industry

Provides the smallest, lightest, and the most environmental-resistant splices available, while meeting all requirements of SAE-AS81824/1 (modified for 200 °C applications)

## APPLICATIONS

Ideal for aerospace and defense applications where performance, reliability or size reduction is essential

Designed to provide an immersion resistant in-line splice on 1:1 wires for the following:

- Wire range from 26 AWG to 12 AWG
- Nickel-plated conductors
- Insulation rated for at least 135 °C

Protects and seals RCW and BMS13-60 Nickel-plated wires

## STANDARDS AND SPECS

Specification Control Document D-200-82/-83/-84

Met or exceeded the following requirements successfully:

- SAE-AMS-DTL-23053/13 (applies only to insulation sleeve)
- SAE-AS81824/1 (modified for 200 °C applications)
- Under qualification for EN 3373-014

Test report for performance data available upon request

- Physical properties
- Chemical properties
- Electrical properties

## SUPPORT MATERIALS

Installation procedure, RCPS-200-20

Standard AD-1377 crimp tool used for installation

Customer drawings (CD) for all part numbers

Samples available

# Raychem D-200 Mini-Seal Crimp Splices

## ORDERING INFORMATION

| Description | Part Number |
|-------------|-------------|
| D-200-82    | D17660-000  |
| D-200-83    | A36675-000  |
| D-200-84    | C60253-000  |

## MATERIALS

Insulation Sleeve: Heat-shrinkable, transparent blue, radiation cross-linked modified fluoropolymer

Melttable Rings: Environment resistant modified thermoplastic fluoro-elastomer.  
Color: Light Blue

Crimp Splicer: Base Metal: Copper Alloy 101 or 102 per ASTM B75  
Plating: Nickel per SAE AMS-QQ-N-290  
Color Code: see table on below

## PRODUCT DIMENSIONS

| Product Name | Product Rev. | I.D.*<br>a. min<br>b. max | Crimp Splicer |              |               |              |                 | Color Code |
|--------------|--------------|---------------------------|---------------|--------------|---------------|--------------|-----------------|------------|
|              |              |                           | øA            | øB           | C             | D            | E max.          |            |
| D-200-82     | A            | 2.16 (0.085)              | 1.27 (0.050)  | 2.03 (0.080) | 12.95 (0.510) | 6.22 (0.245) | 0.38<br>(0.015) | Red        |
|              |              | 0.64 (0.025)              | 1.14 (0.045)  | 1.91 (0.075) | 12.45 (0.490) | 5.72 (0.225) |                 |            |
| D-200-83     | A            | 2.79 (0.110)              | 1.75 (0.069)  | 2.70 (0.106) | 14.86 (0.585) | 7.11 (0.280) | 0.51<br>(0.020) | Blue       |
|              |              | 0.64(0.025)               | 1.63 (0.064)  | 2.57 (0.101) | 14.35 (0.565) | 6.60 (0.260) |                 |            |
| D-200-84     | A            | 4.32 (0.170)              | 2.60 (0.102)  | 3.89 (0.153) | 14.86 (0.585) | 7.11 (0.280) | 1.27<br>(0.050) | Yellow     |
|              |              | 0.64 (0.025)              | 2.46 (0.097)  | 3.73 (0.147) | 14.35 (0.565) | 6.60 (0.260) |                 |            |

\*I.D.: a- As received; b- After unrestricted recovery thru melttable insert.

| Product Name | MIL Spec Equivalent Size | Wire Range | Wgt. Lbs/Mpc max. |
|--------------|--------------------------|------------|-------------------|
| D-200-82     | M81824/1-1               | 26-20      | 1.02              |
| D-200-83     | M81824/1-2               | 20-16      | 1.61              |
| D-200-84     | M81824/1-3               | 16-12      | 2.72              |

## FOR MORE INFORMATION

### Technical Support

|                |                                 |
|----------------|---------------------------------|
| Internet:      | www.tycoelectronics.com         |
| E-mail:        | newproducts@tycoelectronics.com |
| USA:           | 1-800-522-6752                  |
| Canada:        | 1-905-470-4425                  |
| Mexico:        | 1-800-733-8926                  |
| C. America:    | 52-55-1106-0803                 |
| South America: | 55-11-2103-6000                 |
| Hong Kong:     | 852-2735-1628                   |
| Japan:         | 81-44-844-8013                  |
| Great Britain: | 44-208-420-8341                 |
| France:        | 33-1-3420-8888                  |
| Germany:       | 49-6251-133-0                   |
| Italy:         | 39-011-4012-111                 |
| India:         | 91-80-285-40800                 |

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5-1773450-3 5M A&D/CGX 03/08  
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