

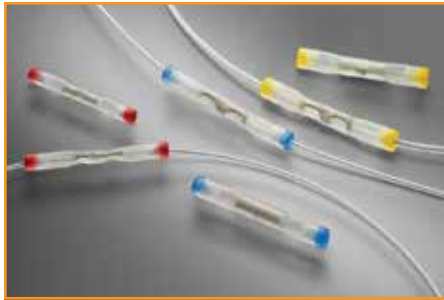


Raychem Cold Applied Splices and Ring Tung Terminals

In-Line Splice and Terminals Use Heatless Termination to Achieve High-Performance Sealing for Harsh Environments

Raychem Cold Applied Splices and Ring Tung Terminals

One-Step Termination and Environmental Protection



VERSATILE

- Easy installation and application flexibility
- One-step termination and environmental protection
- No heating required for installation — safe for use on fueled aircraft

PROVEN TECHNOLOGY

- Reliable in a wide variety of environmental conditions
- Prevents water ingress under permanent pressure/weight
- Achieves environmental performance while maintaining:
 - Small profile
 - Electrical performance

Description

TE Connectivity's (TE) cold applied splice and terminals product line is designed as a single-component in-line splice that requires no heat to install. It seals the termination and prevents the ingress of moisture which can lead to insulation failure and breakdown of the electrical connection.

In this product, sealing is achieved by replacing traditional methods, such as grommets, greases, and tapes with a novel gel technology. A polymer outer layer provides electrical isolation.

MECHANICAL/ENVIRONMENTAL

- **Tensile Strength:** Exceeds that of spliced wire
- **Temperature Range:** -65°C to 150°C
- **Dielectric Strength:** 2500 V maximum
- **Insulation Resistance:** 5000 megohms minimum
- **Altitude Immersion:** 75,000 feet
- **Fluid Resistance:** MIL-L-7808, MIL-L-3699, MIL-H-5605 (Hydraulic), MIL-A-8243, MIL-C-59769, and MIL-T-5624 (JP-5)
- **Current Rating:** Defined by the size of the crimp, gauge of wire, and specification

PHYSICAL

- **Cross-Linked Gel Technology:**
 - Well-established gel sealing system
 - Versatile gel closure
 - Non-flowing gel
- Protects and seals on all conventional Mil Spec and commercial wire insulation systems

MATERIALS

- **Insulation Sleeve:** Transparent polyvinylidene fluoride
- **Metal Crimp Splice or Terminal:** Tin-plated copper
- **End Caps:** Thermoplastic, color coded
- **Gel:** Clear, flame-retardant silicone-based gel

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

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APPLICATION TOOLING

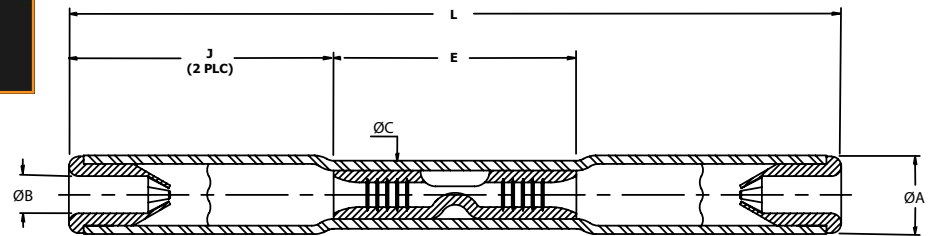
- Cold-Applied Crimp Tool: AD-1381
- AD-1381 or approved M22520/44-01 crimp tool must be used for proper installation of these devices



AD-1381 Tool

STANDARDS

- SAE AMS-DTL-23053/8 (Insulation sleeve)
- SAE AS81824/12-1
- SAE AS81824/12 for Splices
- SAE AS7928/14 for Terminals



ORDERING INFORMATION

Mini-Seal Crimp Wire Splices - Cold Applied (Gel Filled)

TE Description	TE RPN	QPL P/N	Specification
D-436-36-COLD	CN1020-000	M81824/12-1	SAE AS81824
D-436-37-COLD	CN1021-000	M81824/12-2	SAE AS81824
D-436-38-COLD	CN1022-000	M81824/12-3	SAE AS81824



Ring Tung Terminal - Cold Applied (Gel Filled)

TE Description	TE RPN	QPL P/N	Specification
D-436-1101-COLD	CW8662-000	M7928/14-004	SAE AS7928
D-436-1102-COLD	CW0419-000	M7928/14-008	SAE AS7928
D-436-1103-COLD	CW0421-000	M7928/14-016	SAE AS7928
D-436-1122-COLD	TBD	M7928/14-012	SAE AS7928
D-436-1123-COLD	TBD	M7928/14-020	SAE AS7928
D-436-1142-COLD	TBD	M7928/14-009	SAE AS7928
D-436-1143-COLD	TBD	M7928/14-017	SAE AS7928
D-436-1162-COLD	TBD	M7928/14-010	SAE AS7928
D-436-1163-COLD	TBD	M7928/14-018	SAE AS7928
D-436-1382-COLD	TBD	M7928/14-011	SAE AS7928
D-436-1383-COLD	TBD	M7928/14-019	SAE AS7928
D-436-1401-COLD	TBD	M7928/14-001	SAE AS7928
D-436-1402-COLD	TBD	M7928/14-005	SAE AS7928
D-436-1403-COLD	TBD	M7928/14-013	SAE AS7928
D-436-1601-COLD	TBD	M7928/14-002	SAE AS7928
D-436-1602-COLD	TBD	M7928/14-006	SAE AS7928
D-436-1603-COLD	TBD	M7928/14-014	SAE AS7928
D-436-1801-COLD	CW8661-000	M7928/14-003	SAE AS7928
D-436-1802-COLD	CW0418-000	M7928/14-007	SAE AS7928
D-436-1803-COLD	CW0420-000	M7928/14-015	SAE AS7928



LET'S CONNECT

We make it easy to connect with our experts and are ready to provide all the support you need. Just call your local support number or visit te.com to chat with a Product Information Specialist.

Technical Support

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Consult TE for the latest dimensions and design specifications.

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