



Raychem Cold Applied Splices and Ring Terminals

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.

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

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

STANDARDS

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



AD-1381 Hand Crimping Tool

Tool is used to crimp cold-applied gel-filled splices with wires ranging from 26 to 12 AWG.

Specifications

DIMENSION

- **Overall Length:** 230 mm (9") approx.

WEIGHT

- 350 g (12.3 oz.)

COLD-APPLIED SPLICE PRODUCT RANGE

- **D-436-36-COLD:** 26 to 20 AWG wire range
- **D-436-37-COLD:** 18 to 16 AWG wire range
- **D-436-38-COLD:** 14 to 12 AWG wire range

Ordering Information

AD-1381 Hand Crimping Tool

Model	Description	Part No.
AD-1381 Hand Crimping Tool	AD-1381	CS1660-000
Calibration Gauge	AD-1382	992013-000

ROHS Information can be found at the following website: <http://www.te.com/customersupport/productcompliance/>

This product must not be disposed of as municipal waste.



ORDERING INFORMATION

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

TE Description	TE RPN	GPL 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 Tongue Terminal – Cold Applied (Gel Filled)

TE Description	TE RPN	GPL 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

