

## Raychem GelWrap RS Rejacketing Sleeves

Tyco Electronics' Raychem GelWrap RS rejacketing sleeves quickly and conveniently seal and protect medium voltage cable splices up to 35kV. GelWrap RS rejacketing sleeves can also be used to repair cables with jacket damage. The GelWrap RS rejacketing sleeves are designed for manhole, direct buried, or weather exposed applications.

The GelWrap RS rejacketing sleeve can be used over all types and brands of push on and cold applied splices when a water-tight cover is required. It is currently used to seal the new Tyco Electronics' Raychem CAS cold applied splice. They are also suitable for use over heat-shrink splices.

### Fast and easy installation:

Installers will appreciate the simple wrap-around design and dependable gel sealing performance. Simply wrap and snap the sleeve on any cable in the use range. The gel in the sleeve seals on contact. The wrap-around design reduces installation space because it is not required to position a tube to the side while installing the splice. The result is easier installation in cramped man holes and less digging for direct buried applications. Installation is literally a snap.

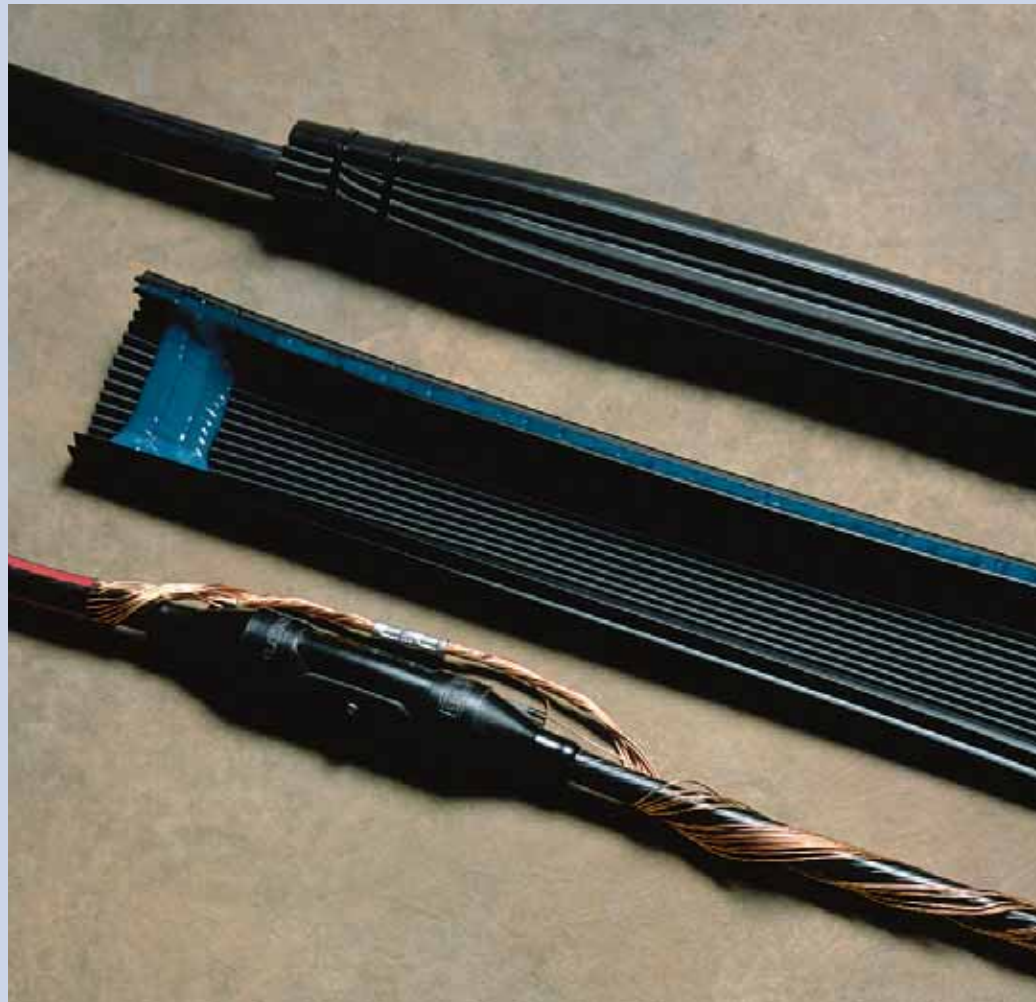
The GelWrap RS rejacketing sleeve is available in a variety of lengths to provide a complete seal for your splice. No overlapping of sleeves or tubes is required.

### Dependable performance:

The factory cured silicone gel sealant in the GelWrap RS rejacketing sleeve completely seals the splice. The gel is very sticky and easily stretched allowing it to conform around and seal to the cable. Moisture cannot enter the splice.

### PowerGel Sealing gel:

PowerGel sealing gel was specifically developed for the electrical power industry. It consists of a chemically cross linked silicone elastomer swollen with a silicone oil. PowerGel sealing gel is hydrophobic and provides an excellent moisture seal over a wide operating temperature range (-40°C to 95°C). It is compatible with solid dielectric cable



insulations and splice material, and has excellent insulation properties.

### Innovative design:

The GelWrap RS sleeve design employs a combination of gels and elastomers to achieve great cable and splice range taking. It consists of a flexible, corrugated housing extruded from a thermoplastic elastomer and coated on each end with a uniform thickness of PowerGel silicone sealing gel. A rigid polypropylene snap lock is co-extruded along the length of the sleeve to secure the installation. The material stands up to abrasion and is split resistant. In addition, it can be

immersed in water and is chemical and oil resistant.

The GelWrap RS sleeve design allows easy customization and can be used for many other applications.

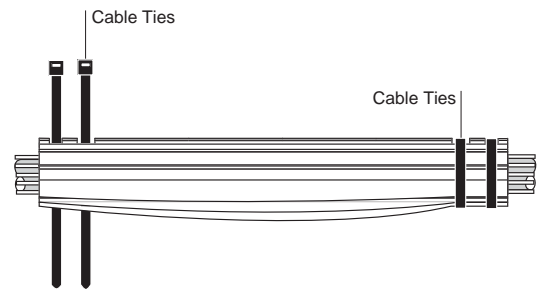
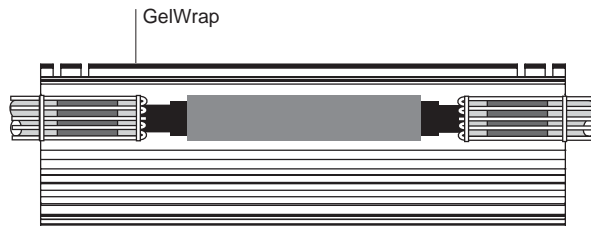
## GELWRAP - Rejacketing Sleeve Product Selection

Kit Description	Diameter Use Range inches (mm) cable or splice	Length inches (mm)	Max Jacket Opening inches (mm)
GELWRAP-RS-75/25-550	1.0-3.0 (25-75)	22 (550)	16 (400)
GELWRAP-RS-75/25-550X	1.0-3.0 (25-75)	22 (550)	16 (400)
GELWRAP-RS-75/25-650	1.0-3.0 (25-75)	26 (650)	20 (500)
GELWRAP-RS-75/25-650X	1.0-3.0 (25-75)	26 (650)	20 (500)
GELWRAP-RS-75/25-750	1.0-3.0 (25-75)	30 (750)	24 (600)
GELWRAP-RS-75/25-750X	1.0-3.0 (25-75)	30 (750)	24 (600)
GELWRAP-RS-75/25-900	1.0-3.0 (25-75)	36 (900)	30 (750)
GELWRAP-RS-75/25-900X	1.0-3.0 (25-75)	36 (900)	30 (750)

X is for external grounding, includes gel strips for sealing neutrals or ground wire exits.

Cable and splice body must be within specified use range.

### Installation



1. Center GelWrap rejacketing sleeve over splice.
2. Wrap sleeve around the splice and shut snap locks over entire length of sleeve.
3. Install cable ties at outermost notches of snap lock. Installation is complete.

### Product Performance

The Tyco Electronics' GelWrap RS rejacketing sleeve meets the following requirements:

Also see product test report EDR-5362

EDR-5358

EDR-5359

EDR-5360

### Testing

Test Conditions

AC Withstand 2.2kV for 1 minute

DC Withstand 10kV for 15 minutes

Impact 8.8lbs weight (wedge shape) dropped from height of 3.3 feet

### Chemical Resistance

Fluid immersion, 168 hours @ 23°C, 75% elongation retention minimum

- 10W-40 motor oil
- 10% hydrochloric acid
- 15% sodium chloride
- 20% sodium hydroxide
- ETX 60280 antifreeze (1000 hours)

Accelerated Aging 1000 hours @ 135°C

- 93% retention tensile strength
- 82% retention elongation at break

All of the above information, including drawings, illustrations and graphic designs, reflects our present understanding and is to the best of our knowledge and belief correct and reliable. Users, however, should independently evaluate the suitability of each product for the desired application. Under no circumstances does this constitute an assurance of any particular quality or performance. Such an assurance is only provided in the context of our product specifications or explicit contractual arrangements. Our liability for these products is set forth in our standard terms and conditions of sale. ALR, AMP, AXICOM, B&H, Bowthorpe EMP, Dorman Smith, Dulmison, Hellstern, La Prairie, Morlynn, Raychem, and SIMEL are trademarks. GelWrap and Power Gel are trademarks of Tyco Electronics Corporation.



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For more information and your country contact person, please visit us at:  
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