



## LIVE END SEAL (HVES)

### FOR 1/C PILC AND POLY OR 3/C PILC CABLE (15-25 kV)

#### KEY FEATURES

- Provides excellent insulation
- For use on polymeric and PILC cables

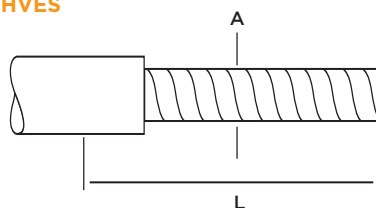
TE Connectivity's (TE) Raychem HVES heat-shrinkable live end seals insulate and seal the ends of polymeric and PILC cables. These kits consist of heat-shrinkable tubings and a high-dielectric strength, polymeric plug, which overlap the conductor to provide excellent insulation. The outer adhesive-lined re-jacketing sleeve is designed to provide a positive environmental seal.

Once the HVES kit is installed, the cable can be re-energized. Typical applications include the live ending of spare cables for future use, isolating a failed cable length, and sectionalizing a cable circuit during system maintenance and repair, expansion, or testing.

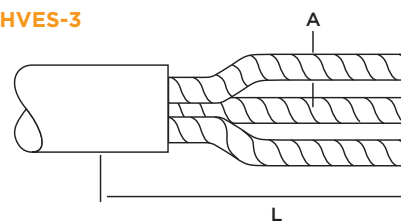
Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



HVES



HVES-3

**PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (mm)**

| Description                                   | PILC/Poly<br>Conductor Size<br>(AWG/kcmil) | Insulation Diameter<br>(min - max) |                       | Kit Installed<br>Length |
|-----------------------------------------------|--------------------------------------------|------------------------------------|-----------------------|-------------------------|
|                                               |                                            | PILC                               | POLY                  |                         |
| HVES-1520D (1/C PILC/VCLC and 1/C Poly) 15 kV |                                            | A                                  | A                     | L                       |
| HVES-1521D                                    | #4 - 4/0                                   | 0.60 - 0.90 (15 - 23)              | 0.65 - 1.05 (17 - 27) | 12 (305)                |
| HVES-1522D                                    | 250 - 350                                  | 0.85 - 1.10 (22 - 28)              | 0.90 - 1.30 (23 - 33) | 12 (305)                |
| HVES-1523D                                    | 500 - 750                                  | 1.05 - 1.30 (27 - 33)              | 1.10 - 1.60 (28 - 41) | 12 (305)                |
| HVES-1524D                                    | 750 - 1000                                 | 1.20 - 1.50 (30 - 38)              | 1.25 - 1.80 (32 - 46) | 12 (305)                |
| HVES-2520D (1/C PILC/VCLC and 1/C Poly) 25 kV |                                            |                                    |                       |                         |
| HVES-2521D                                    | #1 - 250                                   | 0.85 - 1.25 (22 - 32)              | 0.85 - 1.25 (22 - 32) | 21 (533)                |
| HVES-2522D                                    | 350 - 500                                  | 1.15 - 1.50 (29 - 38)              | 1.15 - 1.50 (29 - 38) | 23 (584)                |
| HVES-2523D                                    | 750 - 1000                                 | 1.50 - 1.90 (38 - 48)              | 1.50 - 1.90 (38 - 48) | 25 (635)                |
| HVES-3-1590 (3/C PILC/VCLC) 15 kV             |                                            |                                    |                       |                         |
| HVES-3-1591                                   | #4 - 4/0                                   | 0.60 - 1.00 (15 - 25)              | -                     | 27 (686)                |
| HVES-3-1592                                   | 250 - 350                                  | 0.85 - 1.10 (22 - 28)              | -                     | 27 (686)                |
| HVES-3-1593                                   | 500 - 750                                  | 1.05 - 1.50 (27 - 38)              | -                     | 27 (686)                |
| HVES-3-1594                                   | 750 - 1000                                 | 1.15 - 1.75 (29 - 44)              | -                     | 27 (686)                |
| HVES-3-2590E (3/C PILC/VCLC) 25 kV            |                                            |                                    |                       |                         |
| HVES-3-2591E                                  | #1 - 250                                   | 0.85 - 1.20 (22 - 30)              | -                     | 28 (711)                |
| HVES-3-2592E                                  | 350 - 500                                  | 1.15 - 1.40 (28 - 36)              | -                     | 31 (787)                |
| HVES-3-2593E                                  | 750 - 1000                                 | 1.50 - 1.70 (38 - 43)              | -                     | 32 (813)                |

**ORDERING INFORMATION**

1. Select the appropriate catalog number. All selections are based on the typical dimensions of 100% insulated and 133% insulated poly cables manufactured in accordance with AEIC standard Nominal insulation thickness (100%): 15 kV: 165 mils (PILC/VCLC) 175 mils (poly) 25 kV: 225 mils (PILC/VCLC) 260 mils (poly) Nominal insulation thickness (133%): 15 kV: 220 mils (poly)
2. For cables manufactured to other specifications, confirm selection with cable dimensions
3. Standard package: HVES-1520D,-2520D = One kit/box, HVES-3-1590,-2590E = One 3/C kit/box

**TEST REPORT**

15 kV: EDR-5146  
25 kV: EDR-5273

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