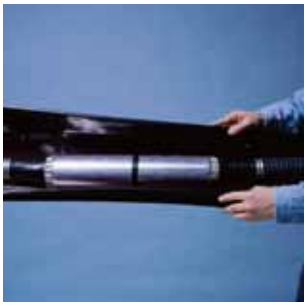
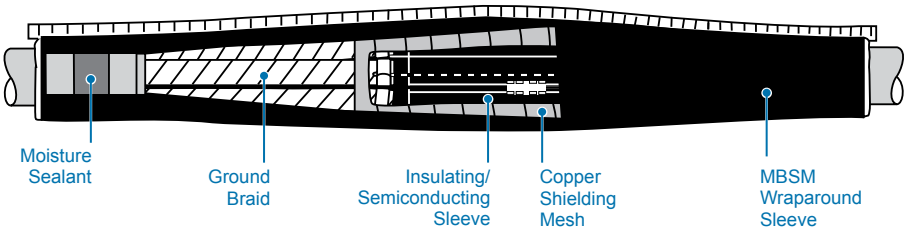


C_HVSA_3

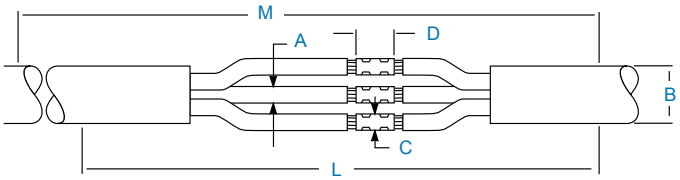
# HVSA-3
## In-Line Splices for 3/C Armor Cable (5-15 kV)

TE Connectivity's Raychem three conductor cable splice kits are designed to rebuild all layers of the cable. These kits meet the same performance criteria as our single conductor splice kits.

- Rated to IEEE 404.
- For use on copper tape, wire shield, lead sheath, and UniShield cables.




### Selection Information: dimensions in inches (millimeters)




| Catalog Number | Conductor Size (AWG/kcmil)* | | Insulation Diameter (Min.-Max.) A | Jacket O.D. (Min.) B | Maximum Connector Dimensions O.D. C | Maximum Connector Dimensions Length D | Kit Installed Length L | Required Installation Space M |
|---|---|---|---|---|---|---|---|---|
| **HVSA-3-820S** | **(5 kV)** | **(8 kV)** | | | | | | |
| HVSA-3-821S | #6-2/0** | #6-#2 | 0.35-0.65 (9-17) | 0.90 (23) | 0.50 (13) | 3.0 (76) | 48 (1219) | 58 (1473) |
| HVSA-3-822S | 3/0-300** | #1-4/0 | 0.55-0.90 (14-23) | 1.30 (33) | 0.75 (19) | 4.25 (108) | 48 (1219) | 58 (1473) |
| HVSA-3-823S | 350-750** | 250-350 | 0.80-1.25 (20-30) | 1.55 (39) | 1.10 (28) | 6.0 (152) | 59 (1499) | 69 (1753) |
| HVSA-3-824S | 1000-1500** | 500-750 | 1.00-1.60 (25-41) | 1.55 (39) | 1.45 (37) | 8.0 (203) | 63 (1600) | 73 (1854) |
| HVSA-3-825S | | 750-1000 | 1.30-2.25 (33-57) | 2.40 (61) | 1.85 (47) | 8.0 (203) | 67 (1702) | 77 (1956) |
| **HVSA-3-1520S** | | **(15 kV)** | | | | | | |
| HVSA-3-1521S | | #2-4/0 | 0.65-1.05 (17-27) | 1.55 (39) | 0.90 (23) | 4.25 (108) | 63 (1600) | 73 (1854) |
| HVSA-3-1522S | | 250-350 | 0.90-1.30 (23-33) | 2.40 (61) | 1.15 (29) | 5.5 (140) | 72 (1829) | 82 (2082) |
| HVSA-3-1523S | | 500-750 | 1.10-1.60 (28-41) | 2.40 (61) | 1.60 (41) | 8.0 (203) | 72 (1829) | 82 (2082) |
| HVSA-3-1524S | | 750-1000 | 1.25-1.80 (32-46) | 2.40 (61) | 1.85 (47) | 8.0 (203) | 72 (1829) | 82 (2082) |

** Note: For voltages higher than 15 kV, please consult a TE Connectivity repesentative.*

### Ordering Information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100% insulated cables and commonly used connectors, manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 5 kV: 90 mils., 5/8 kV: 115 mils., 15 kV: 175 mils. 25 kV: 260 mils. Nominal insulation thickness (133%): 15 kV: 220 mils.
2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.
3. For an off-the-shelf 3/C splice alternative, select three appropriate single-conductor kits and one HVSA MOD kit.

**4. Kits do not contain connectors; order compression or solder connectors separately.
5. If external grounding and/or shield interrupting is required, order an HVS-EG-3 kit.
6. Standard package: 1 kit/box.
7. Related test reports:
   5/8 kV: EDR-5181,
   15 kV: EDR-5114,
   25 kV: EDR-5048,
   **25-35 kV: EDR-5197