

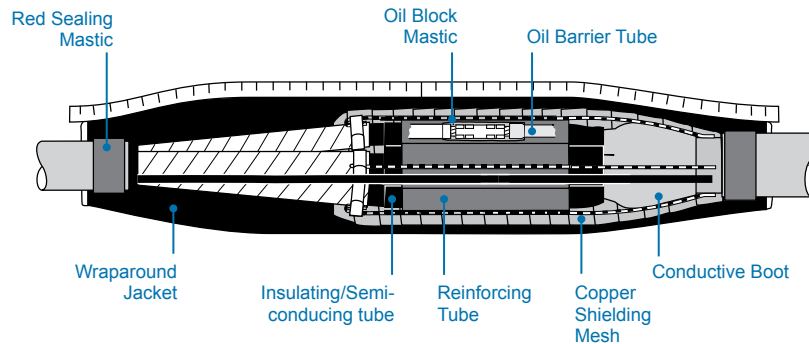
## Medium Voltage In-Line Heat-Shrink Splice



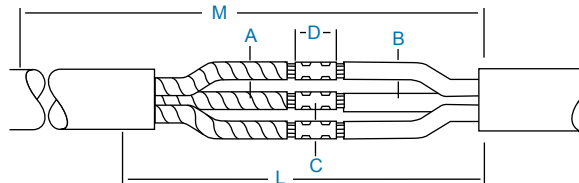
### HVS/HVSA-3-1580S 3/C PILC/VCLC to 3/C POLY (Unarmored and Armored) Kits (15 kV)

These transition splices provide a reliable means for splicing 3/C 15 kV PILC/VCLC cables to 3/C 15 kV armored or unarmored polymeric cables. They eliminate the need for compound filling, lead wiping and hot oil. Installation is quick, easy, and repeatable.

Tyco Electronics utilizes high temperature oil barrier tubing, oil-block mastic, and a high-density conductive boot to seal the oil within the PILC cable. This oil sealing technology has been successful in over 18 years of installations. Heat-shrink accessories fit out-of-round and sectored cables. Conductor size transitions are easily handled. Tyco Electronics utilizes its rugged MBSM re-jacketing sleeve to seal against moisture ingress. The splice also incorporates a thermoplastic internal moisture sealant as a secondary barrier to moisture. Tested to the electrical and load cycling requirements of IEEE 404. One 3/C (PILC/VCLC) cable to one 3/C poly cable. Load cycle tested to perform at a conductor temperature of 110°C with an internal oil pressure of 15 psi.



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



Catalog Number	PILC/Poly Conductor Size (AWG/kcmil)	Insulation Diameter (Min.-Max.)		Maximum Connector Dimensions		Kit Installed Length L	Required Installation Space M
		PILC A	Poly B	O.D. C	Length D		
<b>HVS-3-1580S Unarmored Cable (15 kV)</b>							
HVS-3-1581S	#4-4/0	0.60-1.00 (15-25)	0.60-1.05 (17-27)	1.15 (29)	5.5 (140)	60 (1524)	68 (1727)
HVS-3-1582S	250-350	0.85-1.10 (22-28)	0.90-1.30 (23-33)	1.15 (29)	5.5 (140)	60 (1524)	68 (1727)
HVS-3-1583S	500-750	1.05-1.50 (27-38)	1.10-1.60 (28-41)	1.60 (41)	7.0 (178)	72 (1829)	80 (2032)
HVS-3-1584S	750-1000	1.15-1.75 (29-44)	1.25-1.80 (32-46)	1.85 (47)	8.0 (203)	72 (1829)	80 (2032)
<b>HVSA-3-1580S Armored Cable (15 kV)</b>							
HVSA-3-1581S	#4-4/0	0.65-1.00 (17-25)	0.60-1.05 (17-27)	0.90 (23)	4.50 (114)	63 (1600)	70 (1778)
HVSA-3-1582S	250-350	0.85-1.10 (22-28)	0.90-1.30 (23-33)	1.15 (29)	5.5 (140)	72 (1829)	80 (2032)
HVSA-3-1583S	500-750	1.05-1.50 (27-38)	1.10-1.60 (28-41)	1.60 (41)	7.0 (178)	72 (1829)	80 (2032)
HVSA-3-1584S	750-1000	1.15-1.75 (29-44)	1.25-1.85 (32-46)	1.85 (47)	8.0 (203)	72 (1829)	80 (2032)

#### Ordering Information

- Select the appropriate catalog number. All selections are based on the typical dimensions of 100% insulated cables and the dimensions of commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 165 mils.
- Armored kits include an interlocking steel armoring wraparound with bendable fingers to provide a smooth transition to the armor.
- Kits do not contain connectors; order oil block (sweated or compression) connectors separately.
- Note: These kits do not allow cross-phasing.
- Standard package: 1 kit/box
- Related test reports: [EDR-5137](#)
- Cable paper cutters are available EXRM-1004.