

## Medium Voltage In-Line Heat-Shrink Splice



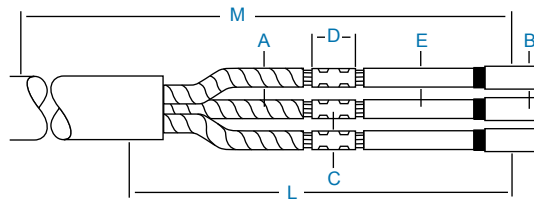
### HVS-T/HVSR-T

#### 3/C PILC/VCLC to 1/C Poly Trifurcating Transition and Transition "Reducer" Kits (15-35 kV)

These trifurcating transition splices greatly reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables. By converting the PILC cable to a polymeric equivalent, the splices eliminate compound filling and difficult lead wiping which lets you get on and off the job site quickly. Heat-shrink components help to eliminate lead sleeve failures by replacing lead sleeves and wipes that can crack due to corrosion or cable flexing.

HVS-T/HVSR-T series splices provide solderless ground braid connection for PILC cable. Tested to the electrical and load cycling requirements of IEEE 404. One 3/C (VCLC) cable to three 1/C poly cable. The HVSR kits are for use when the PILC/VCLC cable has a much smaller conductor size than the poly cable.

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



Catalog Number	PILC/Poly Conductor Size (AWG/kcmil)	Insulation Diameter (Min.-Max.)		1/C Poly Jacket O.D. B	Connector Dimensions (Max.)		Kit Installed Length L	Required Installation Space M
		PILC A	Poly E		O.D. C	Length D		
<b>HVS-T-1580S (15 kV)</b>								
HVS-T-1581S	#4-4/0*	0.60-1.00 (15-25)	0.65-1.05 (17-27)	1.35 (34)	0.90 (23)	4.5 (114)	40 (1016)	60 (1525)
HVS-T-1582S	250-350*	0.85-1.10 (22-28)	0.90-1.30 (23-33)	1.50 (38)	1.15 (29)	5.5 (140)	40 (1016)	62 (1575)
HVS-T-1583S	500-750*	1.05-1.50 (27-38)	1.10-1.60 (28-41)	1.90 (48)	1.60 (41)	7.0 (178)	48 (1219)	68 (1727)
HVS-T-1584S	750-1000	1.30-1.75 (33-44)	1.25-1.80 (32-46)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	69 (1753)
<b>HVS-T-1580E-S (15 kV) Short Splice</b>								
HVS-T-1581E-S	1/0-4/0*	0.65-1.00 (17-25)	0.70-1.05 (18-27)	1.40 (36)	0.90 (23)	2.5 (63)	40 (1016)	61 (1550)
HVS-T-1582E-S	250-500*	0.85-1.20 (22-30)	0.90-1.20 (23-30)	1.50 (38)	1.35 (34)	4.5 (114)	40 (1016)	65 (1650)
HVS-T-1583E-S	500-1000	1.10-1.50 (28-38)	1.15-1.75 (29-44)	2.20 (56)	1.85 (47)	5.0 (127)	40 (1219)	69 (1753)
<b>HVS-T-2580E (25 kV)</b>								
HVS-T-2582E	#1-250	0.85-1.20 (22-30)	0.90-1.25 (23-32)	1.55 (39)	1.10 (28)	5.5 (140)	48 (1219)	65 (1650)
HVS-T-2583E	350-500	1.15-1.40 (29-36)	1.15-1.50 (29-38)	2.00 (51)	1.35 (34)	7.0 (178)	48 (1219)	75 (1900)
HVS-T-2584E	750-1000	1.50-1.70 (38-43)	1.50-1.90 (38-48)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	77 (1955)
<b>HVS-T-3580S (35 kV)</b>								
HVS-T-3582S	1/0-350	1.05-1.40 (27-36)	1.05-1.50 (27-38)	1.90 (48)	1.20 (30)	6.5 (165)	55 (1397)	81 (2057)
HVS-T-3583S	250-750	1.20-1.70 (30-43)	1.30-1.75 (30-44)	2.10 (53)	1.80 (46)	8.0 (203)	55 (1397)	85 (2159)
<b>HVSR-T-1580 Transition Reducer (15 kV)</b>								
HVSR-T-1582	#4-4/0/4/0-350*	0.60-1.00 (15-25)	0.90-1.30 (23-33)	1.50 (38)	1.15 (29)	5.5 (140)	40 (1016)	62 (1575)
HVSR-T-1583	4/0-350/500-750 *	0.80-1.20 (20-30)	1.10-1.60 (28-41)	1.90 (48)	1.60 (41)	7.0 (178)	48 (1219)	68 (1727)
HVSR-T-1584	250-500/750-1000	0.85-1.30 (22-33)	1.25-1.80 (32-46)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	69 (1753)
<b>HVSR-T-2580E Transition Reducer (25 kV)</b>								
HVSR-T-2582E	#1-400/350-500	0.80-1.20 (20-30)	1.15-1.50(29-38)	2.00 (51)	1.35 (34)	7.0 (178)	48 (1219)	75 (1900)
HVSR-T-2583E	500-600/750-1000	1.25-1.40 (32-36)	1.55-1.90 (39-48)	2.15 (55)	1.85 (47)	8.0 (203)	48 (1219)	77 (1955)

#### Ordering Information

- Select the appropriate catalog number. All selections are based on the typical dimensions of 100% and 133% insulated poly cables and commonly used connectors 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). 35 kV: 330 mils (PILC/VCLC). 345 mils (poly). Nominal insulation thickness (133%): 15 kV: 220 mils (poly).
- Check the jacket O.D. on the 133% insulated, single-conductor 15-kV 4/0, 350-kcmil, and 750-kcmil cables to ensure they fall within the use range specified. If you have any questions, contact your Tyco Electronics field sales engineer or representative.
- For cables manufactured to other specifications, confirm selection with cable and connector dimensions.
- Kits do not contain connectors; order oil block (sweated or compression) connectors separately.
- Standard package: 1 kit/box
- Related test reports:  
15 kV: [EDR-5137](#)  
25 kV: [EDR-5142](#)  
35 kV: [EDR-5184](#)  
15 kV HVS-T-1580E-S: [EDR-5227](#)
- Cable paper cutters are available EXRM-1004.