

Medium Voltage In-Line Heat-Shrink Splice

HVS/HVSR

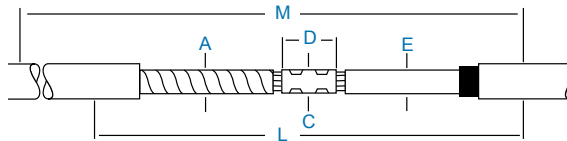
1/C In-Line or Transition and Transition “Reducer” Kits (15-35 kV)

- Use as an in-line splice for paper-insulated, lead-covered (PILC) cable or varnished cambric-insulated, lead-covered (VCLC) cable
- Can also be used as a transition splice—PILC/VCLC to poly (copper tape, lead sheath, wire shield, UniShield, or jacketed/unjacketed concentric neutral) cable.

PILC splices utilize a highly effective oil-stop system. The system helps to reduce installation and outage time by eliminating insulation stepping, hand taping, lead wiping, and compound filling. Tested to the electrical and load cycling requirements of IEEE 404.

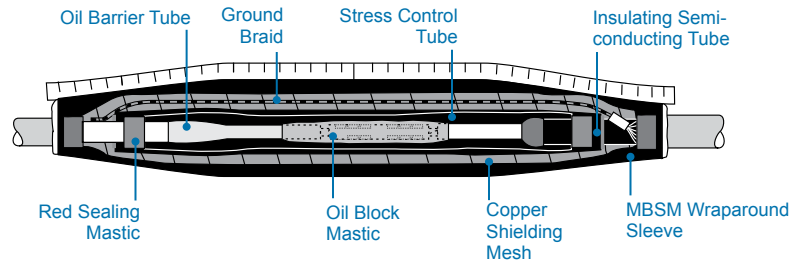
HVSR “reducer” kits are used as a transition splice when the PILC/VCLC conductor size is much smaller than that of the poly cable.

Selection Information: dimensions in inches (millimeters)



Catalog Number	PILC/poly Conductor Size (AWG/kcmil)	Insulation Diameter (Min.-Max.)		Connector Dimension (Max.)			Kit Installed Length L	Required Installation Space M
		PILC	Poly	Both Cables O.D.	PILC/PILC Length	PILC/poly Length		
		A	E	C	D	D		
HVS-1580D (15 kV)								
HVS-1581D	#4-4/0	0.60-0.90 (15-23)	0.65-1.05 (17-27)	0.90 (23)	3.5 (89)	4.5 (114)	31 (787)	48 (1219)
HVS-1582D	250-350	0.85-1.10 (22-28)	0.90-1.30 (23-33)	1.15 (29)	3.5 (89)	5.5 (140)	35 (889)	50 (1270)
HVS-1583D	500-750	1.05-1.30 (27-33)	1.10-1.60 (28-41)	1.60 (41)	5.0 (127)	7.0 (178)	37 (940)	50 (1270)
HVS-1584D	750-1000	1.15-1.50 (29-38)	1.25-1.80 (32-46)	1.85 (47)	6.0 (152)	8.0 (203)	40 (1016)	54 (1392)
HVS-2580E (25 kV)								
HVS-2582E	#1-250	0.85-1.20 (22-30)	0.90-1.25 (23-32)	1.10 (28)	3.5 (89)	5.5 (140)	40 (1016)	57 (1448)
HVS-2583E	350-500	1.15-1.45 (29-37)	1.15-1.50 (29-38)	1.35 (34)	5.0 (127)	7.0 (178)	40 (1016)	58 (1473)
HVS-2584E	750-1000	1.50-1.70 (38-43)	1.60-1.90 (41-48)	1.85 (47)	6.0 (152)	8.0 (203)	40 (1016)	61 (1549)
HVS-3580D (35 kV)								
HVS-3582D	1/0-250	1.05-1.40 (27-36)	1.05-1.40 (27-36)	1.20 (30)	3.5 (89)	5.5 (140)	40 (1016)	62 (1575)
HVS-3583D	300-750	1.20-1.70 (30-43)	1.30-1.75 (33-44)	1.60 (41)	6.0 (152)	9.0 (229)	48 (1219)	67 (1702)
HVS-3584D	750-1000	1.60-2.00 (41-51)	1.65-2.00 (41-51)	1.85 (47)	7.0 (178)	10.0 (254)	48 (1219)	67 (1702)
HVSR-1580 Transition Reducer (15 kV)								
HVSR-1582	#4-4/0/4/0-350	0.60-0.90 (15-23)	0.90-1.30 (23-33)	1.15 (29)		5.5 (140)	33 (838)	78 (1981)
HVSR-1583	4/0-350/500-750	0.80-1.10 (20-28)	1.10-1.60 (28-41)	1.60 (41)		7.0 (178)	37 (940)	87 (2210)
HVSR-1584	4/0-500/750-1000	0.80-1.20 (20-30)	1.25-1.80 (32-46)	1.85 (47)		8.0 (203)	40 (1016)	92 (2337)
HVSR-2580E Transition Reducer (25 kV)								
HVSR-2583E	#1-350/350-500	0.80-1.20 (20-30)	1.15-1.50 (29-38)	1.35 (34)		7.0 (178)	40 (1016)	58 (1473)
HVSR-2584E	500-750/750-1000	1.25-2.50 (32-38)	1.55-1.90 (39-48)	1.85 (47)		8.0 (203)	40 (1016)	61 (1549)

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Ordering Information

1. Select the appropriate catalog number. Selections are based on the typical dimensions of 100% and 133% insulated cables and commonly used connectors manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 15 kV: 165 mil (PILC/VCLC), 175 mils (poly). 25 kV: 255 mils (PILC/VCLC), 260 mils (poly). 28 kV: 255 mils (PILC/VCLC), 280 mils (poly). 35 kV: 330 mils (PILC/VCLC), 345 mils (poly) Nominal insulation thickness (133%): 15 kV: 220 mils (poly).
2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.
3. Kits do not contain ShearBolt connectors; order oil block (sweated or compression) connectors separately.
4. Cable paper cutters are available. EXRM-1004
5. For lead sheath repair, order an HVS-LR kit.
6. Standard package: 1 kit/box
7. Related test reports:
 15 kV: [EDR-5080](#)
 25 kV: [EDR-5083](#)
 28 kV: [EDR-5318](#)
 35 kV: [EDR-5184](#)