



## IN-LINE TRANSITION/REDUCER KIT (HVS/HVSR 1/C)

### 1/C IN-LINE OR TRANSITION AND TRANSITION “REDUCER” KITS (15 - 35 kV)

#### KEY FEATURES

- Tested to the electrical and load cycling requirements of IEEE 404
- PILC splices utilize highly effective oil-stop systems

TE Connectivity's (TE) HVSR “reducer” kits are used as a transition splice when the PILC/VCLC conductor size is much smaller than that of the poly cable. It can be used as an in-line splice for paper-insulated, lead-covered (PILC) cable or varnished cambric-insulated, lead-covered (VCLC) cable.

It 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.

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



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

Description	PILC/POLY Conductor Size (AWG/kcmil)	Insulation Diameter (min. - max.)		Connector Dimension			Kit Installed Length	Required Installation Space
		PILC	POLY	Both Cables OD	PILC/PILC Length	PILC/POLY Length		
<b>HVS-1580D (15 kV)</b>								
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 - 38)	0.90 - 1.30 (23 - 33)	1.15 (29)	3.5 (89)	5.5 (140)	35 (889)	50 (1270)
HVS-1583D	500 - 749	1.05 - 1.30(27-33)	1.10 - 1.60 (28 - 41)	1.60 (41)	5.0 (127)	7 (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 (152)	8 (203)	40 (1016)	54 (1392)
<b>HVS-2580E (25 kV)</b>								
HVS-2582E	#1 - 250	0.85 - 1.20 (22 - 30)	0.90 - 1.25 (23 - 32)	1.10 (28)	3.5 (89)	4.5 (114)	40 (1016)	57(1448)
HVS-2583E	350 - 500	1.15 - 1.45 (29 - 37)	1.15 - 1.50 (29 - 38)	1.35 (34)	5 (127)	8 (203)	40 (1016)	58(1473)
HVS-2584E	750 - 1000	1.50 - 1.70 (38 - 43)	1.60 - 1.90 (41 - 48)	1.85 (47)	6 (152)	9 (229)	40 (1016)	61(1549)
<b>HVS-2580D (35 kV)</b>								
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)
<b>HVSR-1580 Transition Reducer (15 kV)</b>								
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)
<b>HVSR-2580E Transition Reducer (25 kV)</b>								
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 - 1.50 (32 - 38)	1.55 - 1.90 (39 - 48)	1.85 (47)	-	8.0 (203)	40 (1016)	61 (1549)

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). Kits do not contain ShearBolt connectors; order oil block (sweated or compression) connectors separately. For lead sheath repair, order an HVS-LR kit. Standard package: 1 kit/box

**TEST REPORT**

15 kV: EDR-5080  
 25 kV: EDR-5083  
 28 kV: EDR-5318  
 35 kV: EDR-5184

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