



## REDUCER KITS (HVS-T/HVSR-T)

### 3/C PILC/VCLC TO 1/C POLY TRIFURCATING TRANSITION AND TRANSITION

#### KEY FEATURES

- Reduce the complexity of splicing one 3/C PILC cable to three 1/C polymeric cables
- Tested to the electrical and load cycling requirements of IEEE 404

TE Connectivity's (TE) Raychem HVS-T/HVSR-T 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.

**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	Conductor Size (AWG/kcmil)	Insulation Diameter (Min. - Max.)		Jacket	Maximum Connector Dimensions		Kit Installed Length	Required Installation Space
		PILC	POLY		OD	Length		
<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)	.90 (23)	4.50 (114)	40 (1016)	60 (1525)
HVS-T-1582S	250 - 350	0.85 - 1.10 (22 - 28)	0.09 - 1.30 (23 - 33)	1.50 (38)	1.15 (29)	5.50 (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)	7.00 (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)	8.00 (203)	48 (1219)	69 (1753)
<b>HVS-T-1580E-S (15 kV)</b>								
HVS-T-1581E-S	1/0 - 4/0	0.65 - 1.00 (17 - 25)	0.70 - 1.05 (18 - 27)	1.40 (36)	.90 (23)	2.50 (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)	4.50 (114)	40 (1016)	65 (1650)
HVS-T-1583E-S	500 - 1000	1.10 - 1.50 (28 - 38)	1.15 - 1.75 (28 - 41)	2.20 (56)	1.85 (47)	5.00 (127)	48 (1219)	69 (1753)
<b>HVS-T-2580E (25 kV)</b>								
HVS-T-2582E	1/0 - 250	1.85 - 1.20 (22 - 30)	0.90 - 1.25 (25 - 32)	1.55 (39)	1.10 (28)	5.50 (148)	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)	7.00 (178)	48 (1219)	75 (1990)
HVS-T-2584E	750 - 1000	1.50 - 1.70 (38 - 43)	1.50 - 1.90 (38 - 48)	2.15 (55)	1.85 (47)	8.00 (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)	6.50 (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)	8.00 (203)	55 (1397)	85 (2159)
<b>HVS-T-1580 (15 kV)</b>								
HVSR-T-1582	HVS-T-1580	0.60 - 1.00 (15 - 25)	0.90 - 1.30 (23 - 33)	1.50 (38)	1.15 (29)	5.50 (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)	7.00 (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)	1.60 (41)	8.00 (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)	7.00 (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)	8.00 (203)	48 (1219)	77 (1955)

\*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. Kits do not contain connectors; order oil block (sweated or compression) connectors separately. Standard package: 1 kit/box. Cable paper cutters are available EXRM-1004.

TEST REPORT
15 kV: EDR-5137
25 kV: EDR-5142
35 kV: EDR-5184
15 kV HVS-T-1580E-S: EDR-5227

te.com/energy

© 2014 TE Connectivity Ltd. family of companies. All Rights Reserved. E573 10/2014

Raychem, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

**FOR MORE INFORMATION: TE Technical Support Centers**

- USA: + 1 800 327 6996
- France: + 33 380 583 200
- UK: + 44 0870 870 7500
- Germany: + 49 896 089 903
- Spain: + 34 916 630 400
- Benelux: + 32 16 351 731
- Canada: + 1 (905) 475-6222
- Mexico: + 52 (0) 55-1106-0800
- Latin/S. America: + 54 (0) 11-4733-2200
- China: + 86 (0) 400-820-6015

