

Medium Voltage In-Line Heat-Shrink Splice



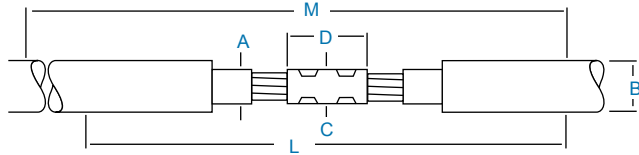
HVS In-Line Splices for 1/C Shielded Cable (5-35 kV)

Tyco Electronics' Raychem heat-shrinkable shielded power cable splices are pre-engineered to offer a compact, low-profile installation with a minimum diameter buildup.

- Kits contain a solderless grounding kit, consisting of a ground clamp, a ground braid, and a shielding mesh.
- Heat-shrink feature allows the kits to accommodate out-of-round, out-of-spec cable.

Rated to IEEE 404. For use on copper tape, wire shield, lead sheath, and UniShield cables. Some kits contain tube for outer layer.

Selection Information: dimensions in inches (millimeters)



Catalog Number	Conductor Size (AWG/kcmil)	Insulation Diameter (Min.-Max.) A	Jacket O.D. (Max.) B	Maximum Connector Dimensions		Kit Installed Length L	Required Installation Space M	
				O.D. C	Length D			
HVS-820S (5 kV) (5/8 kV)								
HVS-821S	#6-2/0	#6-#2	0.35-0.65 (9-17)	0.80 (20)	0.50 (13)	3.0 (76)	24 (610)	44 (1118)
HVS-822S	3/0-300	#1-4/0	0.55-0.90 (14-23)	1.15 (29)	0.75 (19)	4.25 (108)	24 (610)	45 (1143)
HVS-823S	350-750	250-350	0.80-1.25 (20-32)	1.80 (46)	1.10 (28)	6.0 (152)	27 (686)	50 (1270)
HVS-824S	1000-1500	500-750	1.00-1.60 (25-41)	2.30 (58)	1.45 (37)	8.0 (203)	30 (762)	56 (1422)
HVS-825S		750-1000	1.30-2.25 (33-57)	2.45 (62)	1.85 (47)	8.0 (203)	30 (762)	56 (1422)
HVS-1520S (15 kV)								
HVS-1521S	#2-4/0		0.65-1.05 (17-27)	1.25 (32)	0.90 (23)	4.25 (108)	27 (686)	54 (1372)
HVS-1522S	250-350		0.90-1.30 (23-33)	1.50 (38)	1.20 (30)	5.5 (140)	28 (711)	56 (1422)
HVS-1523S	500-750		1.10-1.60 (28-41)	1.85 (47)	1.60 (41)	8.0 (203)	30 (762)	59 (1499)
HVS-1524S	750-1000		1.25-1.80 (32-46)	2.10 (53)	1.85 (47)	8.0 (203)	34 (864)	67 (1702)
HVS-1525S	1250-2000		1.60-2.50 (41-64)	2.80 (71)	2.40 (61)	8.0 (203)	40 (1016)	74 (1880)
HVS-1520S-W (15 kV with Wraparound Rejacketing Sleeve)								
HVS-1521S-W	#2-4/0		0.65-1.05 (17-27)	1.25 (32)	0.90 (23)	4.25 (108)	28 (711)	39 (990)
HVS-1522S-W	250-350		0.90-1.30 (23-33)	1.50 (38)	1.20 (30)	5.50 (140)	28 (711)	40 (1016)
HVS-1523S-W	500-750		1.10-1.60 (28-41)	1.85 (47)	1.60 (41)	8.00 (203)	30 (762)	45 (1143)
HVS-1524S-W	750-1000		1.25-1.80 (32-46)	2.10 (53)	1.85 (47)	8.00 (203)	34 (864)	49 (1244)
HVS-1525S-W	1250-2000		1.60-2.50 (41-64)	2.80 (71)	2.40 (61)	11.00 (279)	40 (1016)	54 (1371)
HVS-2520S (25 kV)								
HVS-2521S	#1-250		0.90-1.20 (23-31)	1.50 (38)	1.10 (28)	4.0 (102)	40 (1016)	56 (1422)
HVS-2522S	350-500		1.20-1.50 (31-38)	1.95 (50)	1.35 (34)	6.0 (152)	40 (1016)	60 (1524)
HVS-2523S	750-1000		1.50-1.80 (38-46)	2.40 (61)	1.85 (47)	8.0 (203)	40 (1016)	62 (1575)
HVS-3520S (35 kV)								
HVS-3521S	1/0-3/0		0.95-1.35 (24-34)	1.55 (39)	1.20 (30)	4.0 (102)	40 (1016)	53 (1346)
HVS-3522S	4/0-600		1.20-1.70 (31-43)	2.10 (53)	1.50 (38)	6.0 (152)	44 (1118)	62 (1575)
HVS-3523S	600-1000		1.55-2.15 (39-55)	2.80 (71)	1.85 (47)	10.0 (254)	44 (1118)	67 (1702)

Ordering Information

1. Select the appropriate catalog number. All selections are based on the typical dimensions of 100% insulated cables, manufactured in accordance with AEIC standard. Nominal insulation thickness (100%): 5 kV: 90 mils., 5/8 kV: 115 mils., 15 kV: 175 mils., 25 kV: 260 mils., 35 kV: 345 mils. Nominal insulation thickness (133%): 15 kV: 220 mils. Check the jacket O.D. on the 15 kV, 133%-insulated 4/0 and 750-kcmil cables to ensure they fall within the use range specified. If you have any questions, contact your Tyco Electronics sales engineer or representative.
2. For cables manufactured to other specifications, confirm selection with cable and connector dimensions.
3. HVS-SHM kits are available if the diameter of one of your cables is not within the standard range.
4. Kits do not contain connectors; order compression or solder connectors separately.
5. If external grounding is required, order an HVS-EG kit.
6. Standard package: 1 kit/box
7. Related test reports:
 HVS 5-8 kV: [EDR-5181](#)
 HVS 15 kV: [EDR-5114](#)
 HVS 25 kV: [EDR-5150](#)
 HVS 25-35 kV: [EDR-5197](#)
 HVS-1520S-W: [EDR-5225](#)