

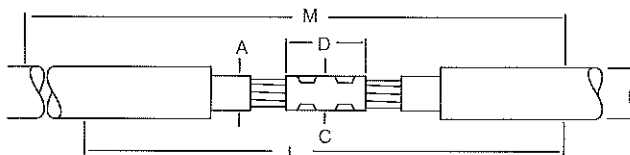
HVS In-Line Splices for 1/C Shielded Cable (5-35 kV)

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

- 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.
- For cables manufactured to other specifications, confirm selection with cable and connector dimensions.
- HVS-SHIM kits are available if the diameter of one of your cables is not within the standard range.
- Kits do not contain connectors; order compression or solder connectors separately.
- If external grounding is required, order an HVS-EG kit.
- Standard package: 1 kit/box
- 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