

Low Voltage Splices 0-600V (1000V rated) Cold Shrink Splices (0-1000V)

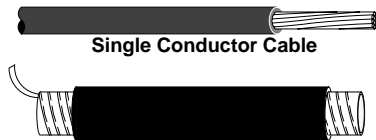
3M™ 8420 and 8430 Series Splice Kits

Cold shrink splicing products are designed using 3M's unique cold shrink delivery system. Products are supplied prestretched on a removable core for efficiency and ease of installation. Removal of the core (unwind) after positioning the splice allows the product to shrink into position forming a moisture-tight seal. The live memory action of the specially formulated material ensures a permanent, durable environmental seal and insulation.

The 8420 meets requirements of ANSI C119-1 and Western Underground Guide 2.14 for secondary splices rated up to 1 kV.

Cold Shrink 8440 Series Silicone Insulators

Cold shrink 8440 series silicone insulators are insulating sleeves made from a specially formulated high-temperature silicone rubber with an operating temperature range from -67°F (-55°C) to 500°F (260°C).



Cold Shrink 8426-9 Splice

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3M 8420 and 8430 Series Selection (0-1000V)

Product Series	UPC (054007-)	Typical Conductor Size	Minimum Cable Diameter for Seal	Maximum** Diameter Insulator Covers	Maximum Connector Length	Relaxed Tube Length	Inner Unit Pack	Case Qty.
Single Conductor Cable See above for cable type illustration.								
8423-6	42146	6 - 4 AWG (14 - 16 mm ²)	0.31" (7,8 mm)	0.56" (4,3 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8424-8*	42390	10 - 1/0 AWG (6 - 16 mm ²)	0.10" (2,5 mm)	0.82" (20,9 mm)	3" (76 mm)	8" (203 mm)	1/bag	10
8425-8	42391	2 - 1/0 AWG (35 - 50 mm ²)	0.40" (10,1 mm)	0.82" (20,9 mm)	3" (76 mm)	8" (203 mm)	1/bag	10
8426-9	34457	2/0 AWG - 250 kcmil (70 - 125 mm ²)	0.55" (13,9 mm)	1.18" (30,1 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8426-9M***	43436	2 - 4/0 AWG (30 - 90 mm ²)	0.40" (10,1 mm)	1.18" (30,1 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8426-11	34458	2/0 AWG - 250 kcmil (70 - 125 mm ²)	0.55" (13,9 mm)	1.18" (30,1 mm)	7" (178 mm)	11" (279 mm)	1/bag	10
8427-6†	09915	—	0.69" (17,5 mm)	1.38" (35,1 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8427-12	34459	250 - 400 kcmil (125 - 200 mm ²)	0.69" (17,5 mm)	1.38" (35,1 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8427-16	34460	250 - 400 kcmil (125 - 200 mm ²)	0.69" (17,5 mm)	1.38" (35,1 mm)	12" (305 mm)	16" (406 mm)	1/bag	10
8428-6†	09916	—	0.95" (24,1 mm)	1.94" (49,2 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8428-12	09056	500 - 800 kcmil (300 - 400 mm ²)	0.95" (24,1 mm)	1.94" (49,2 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8428-18	34461	500 - 800 kcmil (300 - 400 mm ²)	0.95" (24,1 mm)	1.94" (49,2 mm)	14" (356 mm)	18" (457 mm)	1/bag	10
8429-6†	09917	—	1.27" (32,2 mm)	2.67" (67,8 mm)	2" (51 mm)	6" (152 mm)	1/bag	10
8429-9	09931	900-1000 kcmil (500 mm ²)	1.27" (32,2 mm)	2.67" (67,8 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8429-12	42389	900-1000 kcmil (500 mm ²)	1.27" (32,2 mm)	2.67" (67,8 mm)	8" (203 mm)	12" (305 mm)	1/bag	10
8429-15	44198	900-1000 kcmil (500 mm ²)	1.27" (32,2 mm)	2.67" (67,8 mm)	11" (279 mm)	15" (381 mm)	1/bag	10
8429-18	34462	900-1000 kcmil (500 mm ²)	1.27" (32,2 mm)	2.67" (67,8 mm)	14" (356 mm)	18" (457 mm)	1/bag	10
8430-9	42147	1250 - 2000 kcmil	1.68" (42,6 mm)	3.69" (93,7 mm)	5" (127 mm)	9" (229 mm)	1/bag	10
8430-18	42388	1250 - 2000 kcmil	1.68" (42,6 mm)	3.69" (93,7 mm)	14" (356 mm)	18" (457 mm)	1/bag	10

*Kit contains adapters.

**Cable or connector diameter.

***Mastic pads included for cable O.D. build-up.

† These sizes are listed for availability only and are not designed to be used as primary insulation. These tubes are for conduit sealing and breakouts.


Important: Use insulation jacket or connector O.D. for final ordering criteria.

Note: Additional sizes are available, consult your 3M sales representative.

3M™ 8440 Series Selection (0-1000V)

Product Series	UPC (054007-)	Conductor Size	Minimum Cable Diameter for Seal	Maximum** Diameter Insulator Covers	Relaxed Tube Length	Inner Unit Pack	Case Qty.
Single Conductor Cable See page 236 for cable type illustration.							
8443-2	09485	6 - 2 AWG (14 - 30 mm ²)	0.27" (7 mm)	0.56" (14 mm)	2" (51 mm)	1/bag	12
8443-6.5	09482	6 - 2 AWG (14 - 30 mm ²)	0.27" (7 mm)	0.56" (14 mm)	6.5" (165 mm)	1/bag	12
8445-2.5	09486	2 - 1/0 AWG (35 - 50 mm ²)	0.35" (9 mm)	0.72" (18 mm)	2.5" (64 mm)	1/bag	12
8445-7.5	09483	2 - 1/0 AWG (35 - 50 mm ²)	0.35" (9 mm)	0.72" (18 mm)	7.5" (191 mm)	1/bag	12
8447-3.2	09487	1/0 - 3/0 AWG (60 - 80 mm ²)	0.48" (12 mm)	0.95" (24 mm)	3.2" (81 mm)	1/bag	12
8447-8	09484	1/0 - 3/0 AWG (60 - 80 mm ²)	0.48" (12 mm)	0.95" (24 mm)	8" (203 mm)	1/bag	12

**Cable or connector diameter.
Note: Additional sizes are available, consult your 3M sales representative.



Product Referral Generator

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