

1 kV to 5/8 kV Splices

1/C, 1-5 kV, Non-Shielded Resin Splices

Scotchcast™ 82-A Series Inline Resin Splice Kits



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Use the Scotchcast 82-A series kits to insulate and seal single conductor, unshielded cable splices through 5 kV and multiple conductor cables through 1 kV. The 82-A series is UL Listed 486D, File Number E102356. Connector is not included, order separately. **Each kit makes one splice.**



Nonshielded Dry Cable



Nonshielded Wet or Dry Cable



Single Conductor Cable



Multiple Conductor, to 1000 Volt, Cable

Scotchcast 82-A Series Selection

Product Series	UPC (054007-)	Maximum Cable O.D.	Maximum Connector O.D.	Conductor Size*	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.						
82-A	25016	0.750" (19 mm)	0.406" (10 mm)	10 - 2 AWG (6 - 30 mm ²)	1/box	10
82-A1	25024	0.625" (16 mm)	0.406" (10 mm)	Up to 2 AWG (30 mm ²)	1/box	10
82-A2	25032	1.000" (25 mm)	0.625" (16 mm)	2 - 3/0 AWG (35 - 80 mm ²)	1/box	10
82-A3	25040	1.563" (40 mm)	1.000" (25 mm)	3/0 - 400 kcmil** (95 - 200 mm ²)	1/box	10

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

** 500 kcmil when using a Scotchlok 10014 copper compression connector.

Scotchcast 82-B1 Wye Resin Splice Kit



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Scotchcast 82-B1 kit insulates and seals wye splices for compression tap connectors (e.g., C-tap or H-tap) rated for cables up to 5 kV. Use on nonshielded cables through 5 kV and on multiple conductor cables through 1 kV. **Each kit makes one splice.**



Nonshielded Dry Cable



Nonshielded Wet or Dry Cable



Single Conductor Cable



Multiple Conductor, to 1000 Volt, Cable

Scotchcast 82-B1 Selection

Product Series	UPC (054007-)	Voltage Rating	Maximum Connector Split Bolt	Maximum Connector Crimped	Cable O.D.	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.							
82-B1	25057	5 kV Single Conductor 1 kV Multiple Conductor	4 AWG	2 AWG	0.250 - 0.625" (6 - 16 mm)	1/box	10

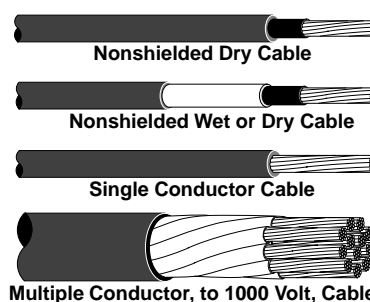
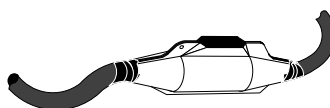
1/C, 1-5 kV, Non-Shielded Resin Splices

Scotchcast™ 82-F1 and 82-F2 Inline Splice Kits for Flexible Power Cable

Scotchcast 82-F1 and 82-F2 kits are for use on unshielded, portable power cables. The kits are rated up to 5 kV for single conductor and up to 1 kV for multiple conductors. The kits are designed to be used with inline compression connectors.

The 82-F series kits are permanent splices as assigned by the Mine Safety and Health Administration (P-142-5 MSHA).

Connectors are not included, order separately.



Scotchcast 82-F1 and 82-F2 Inline Selection

Product Series	UPC (054007-)	Cable O.D. Range	Voltage Rating	Conductor Size	Number of Conductors	Maximum Connector O.D.	Inner Pack	Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable, Single Conductor Cable, Multiple Conductor, to 1000 Volt, Cable See above for cable type illustrations.								
82-F1	08307	0.25 - 0.80" (6 - 20 mm)	5 kV 1 kV (600/2000)*	6 - 1/0 AWG** (16 - 50 mm ²)	1 multi	0.62" (18 mm) 0.90" (23 mm)	1/box	10
82-F2	08308	0.80 - 1.20" (20 - 30 mm)	5 kV 1 kV (600/2000)*	2/0 - 4/0 AWG** (70 - 95 mm ²)	1 multi	0.82" (21 mm) 1.30" (33 mm)	1/box	10

* Mine portable cable rating
**Base selection on cable O.D. range.

1/C, 5/8 kV, Non-Shielded Cold Shrink Splices

3M™ 5740 Series 5/8 kV Inline Splice Kits



3M 5740 series are used for single conductor, non-shielded 5/8 kV cables. Each kit is a cold shrink design and contains enough material to insulate three (3) splices.



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3M Cold Shrink 5740 Series Selection

Product Series	UPC (054007-)	Conductor Size Copper	Conductor Size Aluminum	Maximum Connector Length (Copper or Aluminum)	Typical Splice Length	Insulation / Jacket O.D. Range	Cable Case Qty.
Nonshielded Dry Cable, Nonshielded Wet or Dry Cable See above for cable type illustrations.							
5741	49491	8 - 4 AWG* (10 - 25 mm ²)		2.5" (64 mm)	10" (254 mm)	0.38 - 0.70" (9,7 - 17,8 mm)	1
5742	49492	2 AWG - 300 kcmil* (35 - 150 mm ²)		4.5" (108 mm)	12" (305 mm)	0.63 - 1.20" (16,0 - 30,5 mm)	1
5743	49493	350 - 1000 kcmil (185 - 500 mm ²)	350 - 750 kcmil (185 - 400 mm ²)	6.25" (159 mm)	15" (381 mm)	0.90 - 2.10" (22,9 - 53,3 mm)	1

Note: Be sure to order the correct size connector to complete the splice, see pages 301-302.