

3M™ Resin Splice Kits

3M™ Scotchcast™ Flexible Power Cable Inline Splicing Kits 82-F Series

3M™ Scotchcast™ Flexible Power Cable Inline Splicing Kits 82-F Series are a series of flexible inline splices for use on non-shielded portable power cables and cords. They are designed to be used on single and multiple conductor cables and cords rated up to 1000 Volts (600/2000 Volts mine portable cable rating). The 82-F Series accommodates a 1/C cable rated up to 5 kV. The splices accommodate 1/C cables sized up to 4/0 for inline splicing. Multi-conductor sizing is based on a cable diameter range of up to 1.2" for inline splicing.

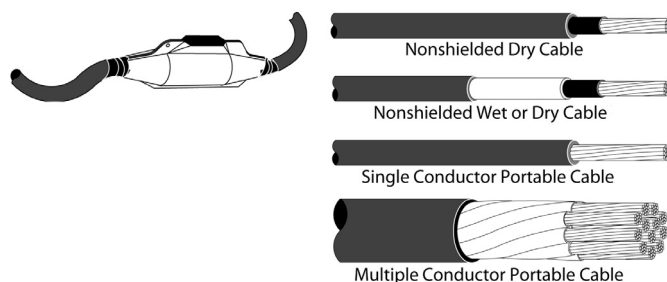
The splice kits are based on 3M™ Scotchcast™ Flame Retardant Compound 2130 for toughness, flexibility, moisture sealing and flame retardancy. They are permanent splices as assigned by the Mine Safety and Health Administration (07-KA060002-MSHA). The completed splices are designed for use in weather-exposed, direct burial or submerged locations. 3M™ Scotchcast™ Inline Splice Kits for Flexible Power Cable 82-F1 are for use on unshielded, portable power cables. The kits are rated up to 5 kV for 1/C and up to 1 kV for multiple conductors.

Each kit makes one splice. Connectors are not included in the kit, and must be purchased separately.

*Mine portable cable rating of 600/2000 V

**Base selection on cable O.D. range

Voltage	1000 V; 5 kV
Number of Conductors	Multiple (1000 V), Single (5 kV)
Cable/Shielding Type	Non-Shielded Dry and Wet Cables, Single and Multiple Conductor Portable Cables
Splice Type	Resin
RoHS 2011/65/EU	Yes
Agency Approvals	MSHA



Order No.	UPC	Cable O.D.	Connection Max. O.D.	Voltage	Conductor Size	Case Qty.
82-F1	051128-59176	For Single: 0.25"-0.80" (6-20 mm) For Multiple: 0.25"-0.80" (6-20 mm)	For Single: 0.62" (16 mm) For Multiple: 0.90" (23 mm)	For Single: 5 kV For Multiple: 1 kV*	For Single: 6-1/0 AWG (16-50 mm²) For Multiple: **	10
82-F2	051128-59177	For Single: 0.80"-1.20" (20-30 mm) For Multiple: 0.80"-1.20" (20-30 mm)	For Single: 0.82" (21 mm) For Multiple: 1.30" (33 mm)	For Single: 5 kV For Multiple: 1 kV*	For Single: 2/0-4/0 AWG (70-95 mm²) For Multiple: **	10