



3M™ Scotchcast™ Resin Joint Kits

3M™ resin insulated splicing kits are designed for indoor, outdoor (weather exposed), direct buried or submersed applications. 3M brand Scotchcast™ Resins are 100% solids, electrical grade, hydrolytically stable insulating resins. Their unique electrical and physical properties make them ideal for insulating and protecting electrical/ electronic parts and assemblies. Their physical features also make them suitable for non-electrical, general use applications, for example as adhesives or sealants.

A Safe, Clean, Simple & Reliable Joint Solution

- High quality range of resins for low and medium voltage applications
- Unique Patented Close Mixing and Pouring (CMP) system
- Transparent Mould for better control of the job
- Resin packed in transparent 2-chamber mixing bags
- Approvals according to VDE 0291 part 2



3M™ Scotchcast™ Resin Joints offer a high degree of mechanical strength for physical protection of connections and moisture-resistant insulation in above ground or direct burial applications.

Features

- Utilizes a “bulge” type mould
- Features Scotchcast™ 460M polyurethane resin
- Meets VDE 0278, BS 6910

Benefits

- 90A series are ideal for armoured cables
- Tough and moisture-proof
- Long lasting physical and electrical protection
- All kits include tape for insulating ferrules and sealing mould ends
- Tried and tested for over 30 years
- 3M worldwide quality guarantee

Selection Chart

Product	Min. Cable O.D.	Max. Cable O.D.	Cable Conductor Size
Scotchcast™ 90A-01	8 mm	28 mm	4 - 10mm ²
Scotchcast™ 90A-02	14 mm	32 mm	16 - 25mm ²
Scotchcast™ 90A-03	23 mm	39 mm	35 - 50mm ²
Scotchcast™ 90A-04	28 mm	51 mm	70mm ²
Scotchcast™ 90A-05	30 mm	55 mm	95mm ²
Scotchcast™ 90A-06	45 mm	70 mm	120 - 150mm ²
Scotchcast™ 90A-07	48 mm	86 mm	185 - 240mm ²

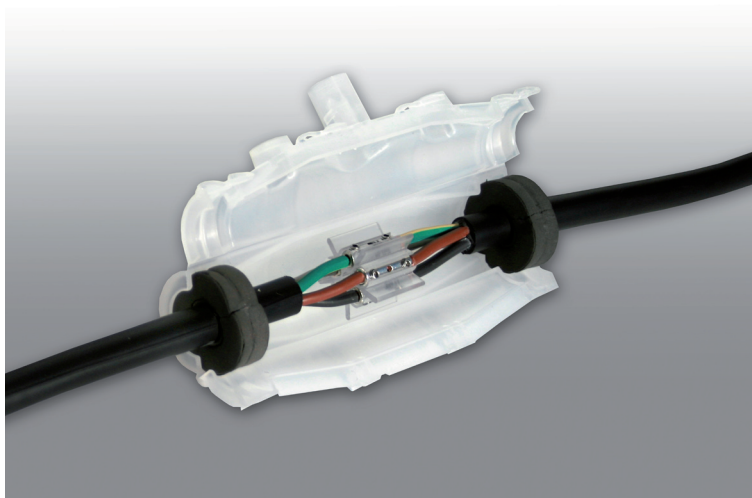


Low Voltage Range

The new body design is based on a completely new hinged, one-part joint body that allows resin to be sealed inside the mould without the use of mastic and tape - it does this by using an expanding foam seal.

New 3M Series	Old Series	Application Range			Bag Size in ml
INLINE KITS					
92-NBA0	92 A Series	4 X	1.5	4	1x 90
92-NBA1		4 X	1.5	10	1x 135
92-NBA2		4 X	6	16	1x 200
92-NBA3		4 X	16	25	1x 370
92-NBA4		4 X	25	50	1x 680
92-NBA5		4 X	50	95	1x 1375
92-NBA6		4 X	70	150	2x 1375
92-NBA7		4 X	120	240	3x 2200
92 AU Series (Hazardous areas e.g. petrochemical sites)					
92-NBA0-U	92 AU Series (Hazardous areas e.g. petrochemical sites)	4 X	1.5	4	1x 90
92-NBA1-U		4 X	1.5	10	1x 135
92-NBA2-U		4 X	6	16	1x 200
92-NBA3-U		4 X	16	25	1x 370
92-NBA4-U		4 X	25	50	1x 680
92-NBA5-U		4 X	50	95	1x 1375
92-NBA6-U		4 X	70	150	2x 1375
92-NBA7-U		4 X	120	240	3x 2200
82 A Series					
92-NBA0	82 A Series	4 X	1.5	4	1x 90
92-NBA0		4 X	1.5	4	1x 90
92-NBA1		4 X	1.5	10	1x 135
92-NBA1		4 X	1.5	10	1x 135
92-NBA4		4 X	25	50	1x 680

New 3M Series	Old Series	Core	Main Min	Main Max	Branch Min	Branch Max
BRANCH KITS						
92-NBC1	91-C Series	4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBC1		4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBC2		4 X / 5 X	4/4	35/25	2,5/4	25/25
92-NBC2		4 X / 5 X	4/4	35/25	2,5/4	25/25
92-B Series						
92-NBB1	92-B Series	4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBB1		4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBB1		4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBB2		4 X / 5 X	4/4	35/25	2,5/4	25/25
92-NBB1		4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBB2		4 X / 5 X	4/4	35/25	2,5/4	25/25
92-BU Series						
92-NBB1-U	92-BU Series	4 X / 5 X	2,5/1,5	16/10	2,5/1,5	16/10
92-NBB2-U		4 X / 5 X	4/4	35/25	2,5/4	25/25
BRANCH / DOUBLE BRANCH / INLINE JOINTS						
92-AB 111	91-AB Series	4 X	1.5	6	1.5	4
92-AB 112		4 X	6	10	4	10
92-AB 113		4 X	16	25	10	16
92-AB 114		4 X	35	70	35	50
92-AB 115		4 X	95	150	70	120
92-AB 116		4 X	120	185	95	150
92-AB 117		4 X	150	240	150	240



Resin Systems Selection Chart

The new Scotchcast resin, fully compliant with EU legislation, has hydrophobic property which makes it perfect for a use in presence of water and proposed in bag with a pouring nozzle, which represents, one step less in the preparation process.

New 3M REF	Old Series	Nozzle	Product Description
No. 40*	No. 4 No. 1471 No. 47	Yes	Size C 426G (370ml)
		Yes	Size B 230G (200ml)
		Yes	Size A 100G (90ml)
	No	Bulk Size B 230G (200ml)	
	No	Bulk Size C 426G (370ml)	
	No	Bulk Size C 426G (370ml)	
No. 1402*	No. 1400 U	Yes	FR W Size C 426G (370ml)
		Yes	FR W Size B 230G (200ml)



3M REF	RESIN TYPE	SIZE	DESCRIPTION
No. 2123	Polyurethane	Size C - 12.3 oz Size D - 21.2 oz	Re-entrable compound, Low viscosityflows well at low temperatures, Excellent wetting properties
No. 2130	Polyurethane	Size B - 216 g Size C - 616 g	Flexible resin used in areas where the mould is removed i.e for flexible splicing

*closed mix and pour system