

3M™ Electrical Products
Scotchcast™ Resin Cable Joint Kits



Speed Safety Reliability

- Fast & simple installation to reduce labour costs
- User safety with innovative resin handling system
- High quality resins & components for unmatched reliability

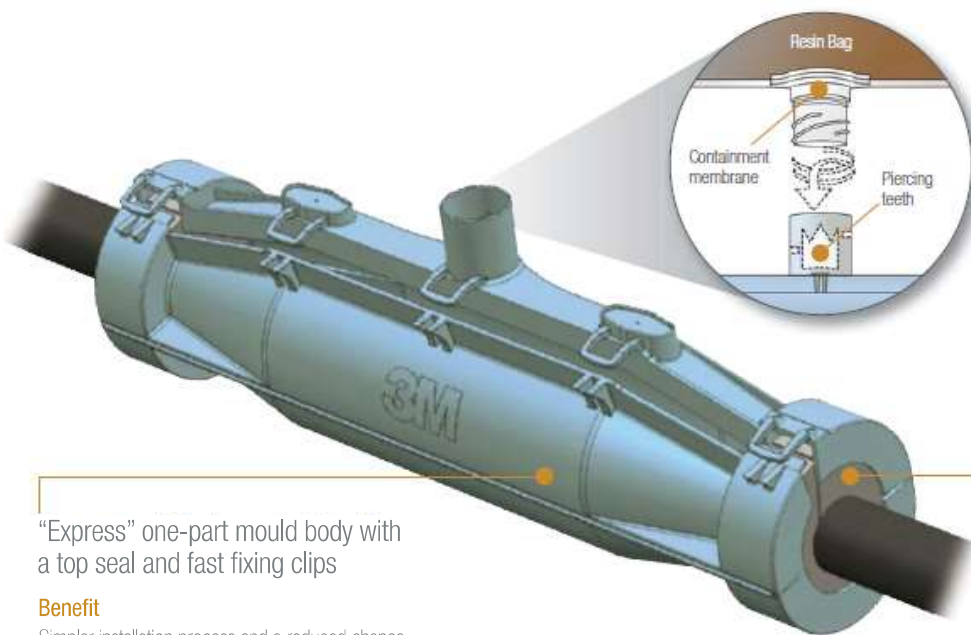


Scotchcast™ Resin Cable Joint Kits

The new 3M™ Scotchcast™ Resin Cable Joint Kit range is designed to make the installation process faster, safer and more reliable than ever before. Now available is a range of hydrocarbon resistant products specially developed for the oil & gas industries, as well as dedicated products to suit armoured cable types commonly found in mining and industrial environments. Additionally, all ranges feature new sizes and configurations, now catering to both inline and branch jointing applications.

Features available in the new 3M™ Scotchcast™ Resin Cable Joint Kit range include:

- “Express” one-part mould body with innovative sealing system requiring no cutting to size or taping, allowing unmatched speed of installation (excludes LVI-3 series, which uses a hydrocarbon resistant two-part mould body).
- Closed Mix-Pour with integrated resin delivery system. Designed to eliminate almost any chance of skin contact, user safety is increased and wastage from spills is minimised.
- High quality 3M resin compounds which offer confidence through renowned reliability, and provide durability to avoid costly re-work and system down-time.



Fully integrated resin delivery system

Benefit

This innovative design significantly reduces the chances of resin wastage, skin contact and vapour inhalation

“Express” one-part mould body with a top seal and fast fixing clips

Benefit

Simpler installation process and a reduced chance of resin leakage - no need for extra taping

Compressible foam seals at each end of the mould body

Benefit

Eliminates the need to cut and tape the mould body, regardless of cable size. Extra fast setup time, no tools required

NB: The colour blue has been used for illustrative purposes only.

The 3M™ Scotchcast™ Closed Mix-Pour resin system allows mixing and pouring of the two-part resin without exposure to the user. Further, no tools or mixing containers are required.



Sealed, two part resin bag



Integrated delivery system. Included nozzle accessory used for LVI-3 series

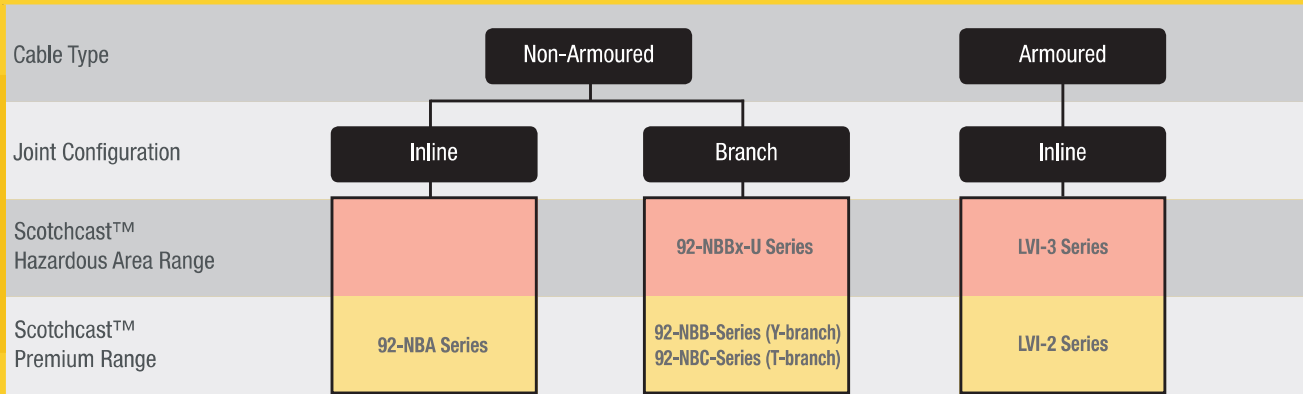


Internal mixing is safe and clean



Resin is released and safely poured in one easy step

Product Selection Guide

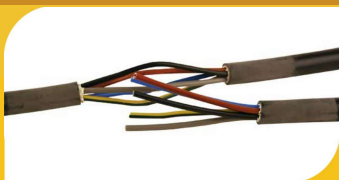


3M™ Scotchcast™ Premium Resin Cable Joint Kit Range

3M™ Scotchcast™ Premium Resin Cable Joint Kits feature Scotchcast™ Electrical Insulating Resin 40, which is a high quality two part compound designed for general purpose electrical insulation, moisture sealing and mechanical protection. All products in this range utilise the “Express” one-part mould body, providing time and cost savings through extra-fast setup.

Product Number	Cable Type	Cable Size Range (OD, mm)		Joint Configuration	Mould Body	3M Order Code
		Main	Branch			
Scotchcast™ 92-NBA0	Non-armoured	6 - 16		Inline	Express one-part	KE235117568
Scotchcast™ 92-NBA1	Non-armoured	10 - 22		Inline	Express one-part	KE235117576
Scotchcast™ 92-NBA2	Non-armoured	12 - 25		Inline	Express one-part	KE235117584
Scotchcast™ 92-NBA3	Non-armoured	13 - 32		Inline	Express one-part	KE235117592
Scotchcast™ 92-NBA4	Non-armoured	18 - 36		Inline	Express one-part	KE235117600
Scotchcast™ 92-NBA5	Non-armoured	19 - 45		Inline	Express one-part	KE235117618
Scotchcast™ 92-NBA6	Non-armoured	27 - 54		Inline	Express one-part	KE235117626
Scotchcast™ 92-NBA7	Non-armoured	29 - 64		Inline	Express one-part	KE235117634
Scotchcast™ 92-NBB0	Non-armoured	8 - 19	8 - 19	Branch (Y Config)	Express one-part	KE235119358
Scotchcast™ 92-NBB1	Non-armoured	11 - 25	11 - 25	Branch (Y Config)	Express one-part	KE235119366
Scotchcast™ 92-NBB2	Non-armoured	16 - 35	16 - 35	Branch (Y Config)	Express one-part	KE235119374
Scotchcast™ 92-NBC2	Non-armoured	16 - 35	16 - 35	Branch (T Config)	Express one-part	KE235119408
Scotchcast™ LVI-2/2	Armoured	12 - 25		Inline	Express one-part	KE235112288
Scotchcast™ LVI-2/3	Armoured	13 - 32		Inline	Express one-part	KE235112296
Scotchcast™ LVI-2/4	Armoured	18 - 36		Inline	Express one-part	KE235112320
Scotchcast™ LVI-2/5	Armoured	19 - 45		Inline	Express one-part	KE235112338
Scotchcast™ LVI-2/6	Armoured	27 - 54		Inline	Express one-part	KE235112346
Scotchcast™ LVI-2/7	Armoured	29 - 64		Inline	Express one-part	KE235112353

The 3M™ Scotchcast™ “Express” one-part mould body is now available in inline, T-branch and Y-branch (pictured) configurations.



Prepare and connect cables



Install mould



Mix and pour resin



Joint complete when resin has completely filled the mould

3M™ Scotchcast™ Hazardous Area Resin Cable Joint Kit Range

3M™ Scotchcast™ Hazardous Area Resin Cable Joint Kits feature 3M™ Scotchcast™ Electrical Insulating Resin 1402FR. 1402FR resin is flame retardant, halogen free, and remains virtually unaffected by immersion in hydrocarbons and chemical solvents. When exposed to petrol, diesel and aggressive solvents, rapid deterioration can be experienced by standard encapsulating resins – especially those commonly found in conventional, low cost resin jointing kits. 1402FR resin is an ultra-high quality, highly modified resin that demonstrates superior performance compared to other encapsulating resin types. 3M™ Scotchcast™ Hazardous Area Resin Cable Joint Kits are recommended for industrial or specialist applications where hydrocarbons are present.

Product Number	Cable Type	Cable Size Range (OD, mm)		Joint Configuration	Mould Body	3M Order Code
		Main	Branch			
Scotchcast™ LVI-3/2*	Armoured	14 - 30		Inline	Hydrocarbon two-part	KE235119523
Scotchcast™ LVI-3/3*	Armoured	23 - 35		Inline	Hydrocarbon two-part	KE235119531
Scotchcast™ LVI-3/4	Armoured	28 - 47		Inline	Hydrocarbon two-part	KE235119549
Scotchcast™ LVI-3/5	Armoured	35 - 60		Inline	Hydrocarbon two-part	KE235119556
Scotchcast™ LVI-3/6	Armoured	45 - 70		Inline	Hydrocarbon two-part	KE235119564
Scotchcast™ LVI-3/7	Armoured	45 - 90		Inline	Hydrocarbon two-part	KE235119572
Scotchcast™ LVI-3/8	Armoured	45 - 100		Inline	Hydrocarbon two-part	KE235120810
Scotchcast™ LVI-3/2-IC	Instrumentation / Control, Armoured	14 - 30		Inline	Hydrocarbon two-part	KE235119580
Scotchcast™ LVI-3/3-IC	Instrumentation / Control, Armoured	23 - 35		Inline	Hydrocarbon two-part	KE235119598
Scotchcast™ LVI-3/4-IC	Instrumentation / Control, Armoured	28 - 47		Inline	Hydrocarbon two-part	KE235119606
Scotchcast™ LVI-3/5-IC	Instrumentation / Control, Armoured	35 - 60		Inline	Hydrocarbon two-part	KE235119614
Scotchcast™ LVI-3/6-IC	Instrumentation / Control, Armoured	45 - 70		Inline	Hydrocarbon two-part	KE235119622
Scotchcast™ 92-NBB1-U	Non-armoured	11 - 23	11 - 23	Branch (Y config)	Express one-part	KE235109110
Scotchcast™ 92-NBB2-U	Non-armoured	16 - 33	16 - 33	Branch (Y config)	Express one-part	KE235109128

*Connectors (crimp) included

3M Customised Resin Kit Solutions

The comprehensive 3M™ Scotchcast™ Resin Cable Joint range covers a vast array of applications and sizes; however we recognise that many projects provide a customised solution to meet specific needs. For customised kit options, include termite and flame protection, please contact 3M with your enquiry



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