



REACH
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Scotchcast™

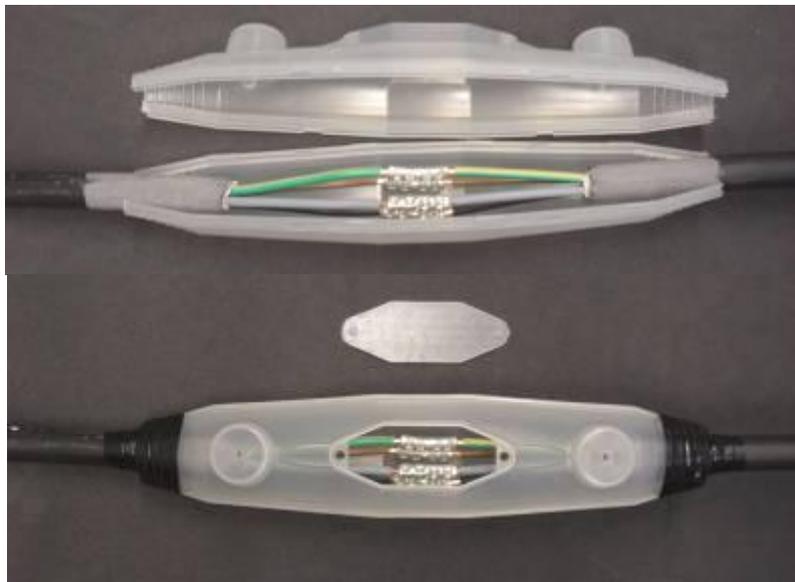
Resin Kit 90-N A 1 up to 91-N A 4 Inline Joint Kit Series with Resin 470

Application

3M Scotchcast™ resin joint kits 91-NBA x are designed to be used for 1-core up to 5-core non shielded polymeric low voltage energy cables. The application incorporates electrical insulation and mechanical protection of joints with compression or mechanical connectors. They can be used for indoor and outdoor, underground and submerged applications.

Features

- Resin 470 in transparent two chamber bags for mixing
- Two part translucent Mould Body with closing system for quick and easy handling.
- Closure cap to prevent any pollution.



Kit content

- Mould body with closure cap
- Scotchcast™ 470 resin bag
- PVC Tape
- Abrasive strip
- Finger gloves according EN394
- Detailed instruction

Product Description

3M™ Scotchcast™ resin inline joint kit will be delivered with a two part translucent mould body for simple and easy handling. Distances inside the body can be checked easily. All necessary dimensions, like application range, cable preparation are given in the detailed instruction.

The Mould Body can be adapted to the required cable diameter by cutting the marked areas of the Mould

The resin 470 is delivered in two chamber bag and aluminium Guard Bag for protection against humidity.

After the seam of the two chamber bag was opened, the resin components can be mixed.

To pour the resin into the mould body, the bag has to be cut open to pour the resin.

To provide resin handling without any skin contact, finger gloves according EN394 are provided with the kit

For protection against pollution, a closure cap is applied onto the dome.

After curing, the remaining resin in the bag can be disposed as house waste.

Product Selection

Application Range				
	90-N A 1	90-N A 2	90-N A 3	90-N A 4
A [mm]	50	75	105	115
D [mm]	5	6	7	8
∅ [mm²]	- 10	16 - 25	25 - 50	50 - 95
C [mm]	8 - 22	14 - 30	23 - 35	28 - 47

Testing

The full Scotchcast™ Resin Kit Series 91-NBA 1 up to 91-NBA 4 were tested according EN50393 Table 3 / I / A1

Type of Test according to EN50393 Table 3 / I / A1		Results
AC Voltage Withstand Test in air	4 kV AC/ 1 min	passed
Insulation Resistance Test in air	1 kV DC	> 10.000 MΩ
Heat Cycle in air	63 cycles: 5h/3h	passed
Heat Cycle in water	63 cycles: 5h/3h	passed
AC Voltage Withstand Test in water	4 kV AC/ 1 min	passed
Insulation Resistance Test in water	1 kV DC	> 10.000 MΩ

Usage Information:

The resin will be supplied, in two-chamber plastic pouches with peelable barrier in the correct stoichiometric proportion. This type of packaging will assure the correct mixing ratio for applying the resin.

The packaging includes a Closed Mix and Pour Delivery System. The integrated pouring spout will be opened while attaching the mixed resin bag to the housing of the joint or by using the supplied opener.

For other information, relevant for the usage of the resin, like Gel-Time, Pot-Life, viscosity, density etc. please see the relevant Data Sheet.

Storage:

3M™ Scotchcast™ Resin 470 has a shelf life of at least 36 months when stored between 10°C and 40°C with a humidity level < 75 % in the originally sealed bag.

The expiration date of each product appears on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, it is the responsibility of the user to determine applicability of the resin.

Safety and Handling:

3M provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, storage, use and disposal information. 3M strongly encourages its customers to review the MSDS on its products prior to their use.

Product Stewardship:

3M has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis of our philosophy and policies by which we assess the health and environmental information on our products and then take the appropriate steps to protect employee, the public health and the environment.

Customer Notice:

3M encourages its customers and potential users of 3M products to review their applications for such products from the standpoint of human health and environmental quality. To help ensure that 3M products are not used in ways for which they were not intended or tested. 3M personnel are available to assist customers in dealing with ecological and product safety considerations. Your 3M sales representative can arrange for the proper contacts.

Regulatory Status:

The 470 Resin is in compliance with all European directives and regulations, relevant for this product.

The 470 Resin is in compliance with EU regulation 1907/2007/EC (REACH).

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All statements, technical information and recommendations related to the Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

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