

Jointmask

ResinCast Cable Accessories



JOINTMASK resin insulated splicing kits are designed for indoor, outdoor (weather exposed). direct buried or submersed applications. In conjunction with other technologies, these kits utilize epoxy, polyurethane and re-enterable compounds to meet application requirements. JOINTMASK brand Resins are 100% solids, thermosetting, electrical grade, hydrolytically stable insulating resins.

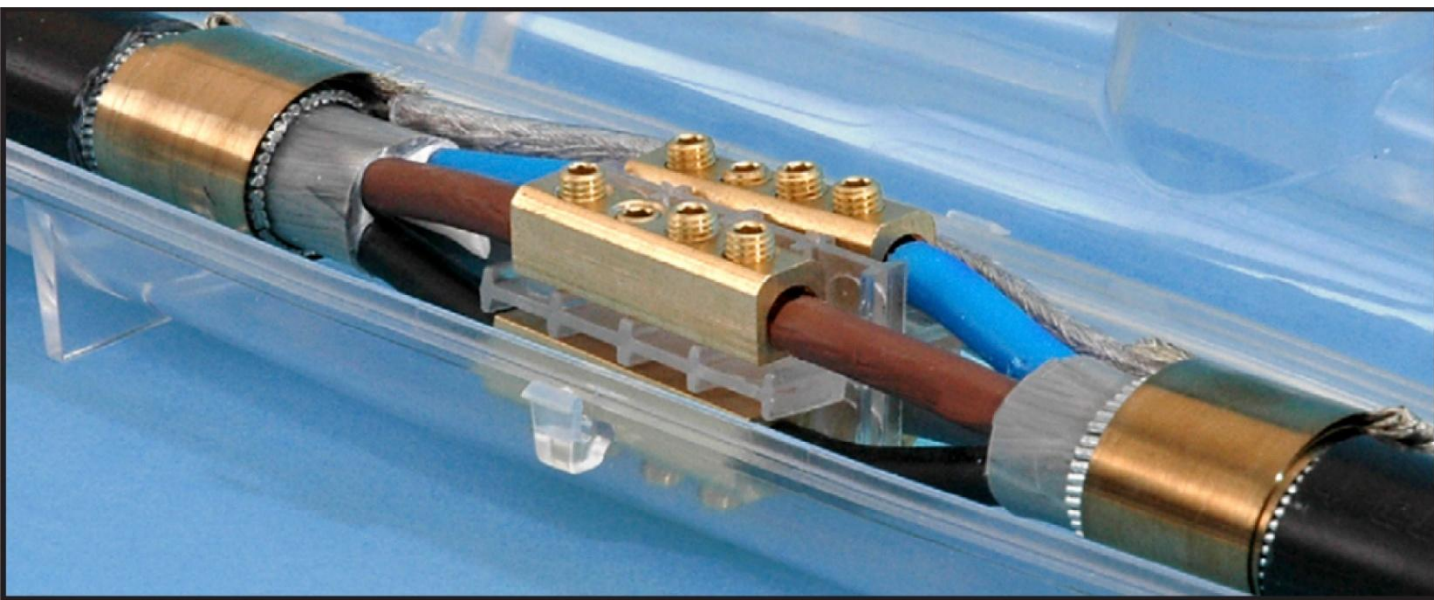
Classified chemically as either epoxies or polyurethanes, the product line includes two-part liquids and two-part polyurethane liquids, which are also available in flame-retardant halogenated and flame-retardant non-halogenated systems, re-enterable and non-re-enterable systems, hard and soft systems and a lot more. 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.

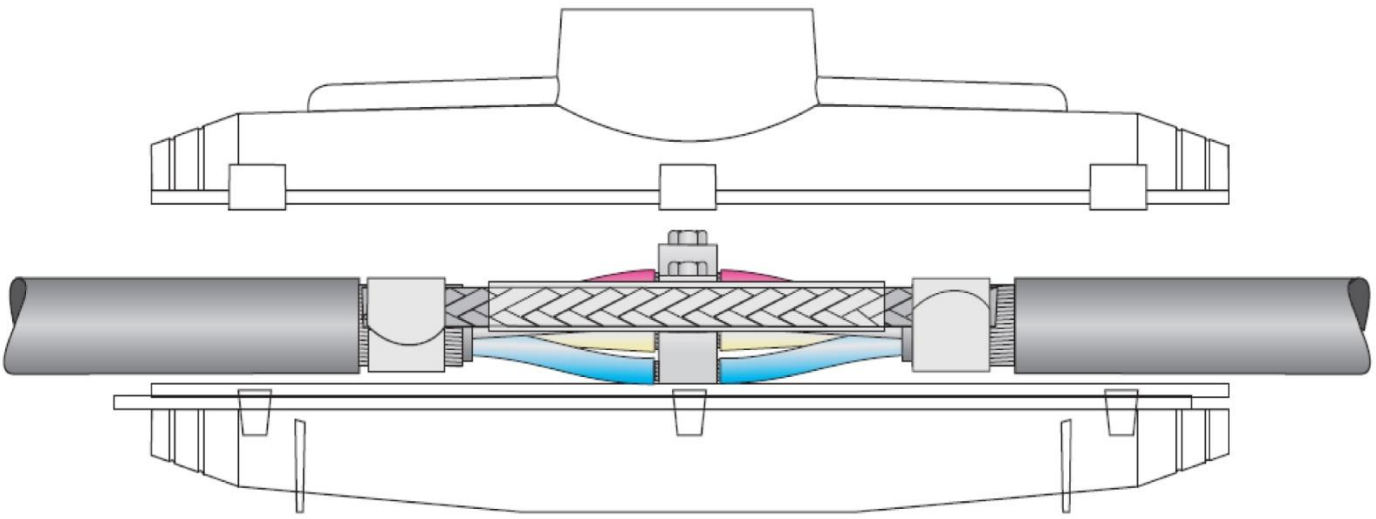
THE NEW CONCEPT IN RESIN FILLED JOINTING

Introducing the new concept in Resin Filled Cable Joint Kits.

Tested and approved to IS, each kit consists of:-

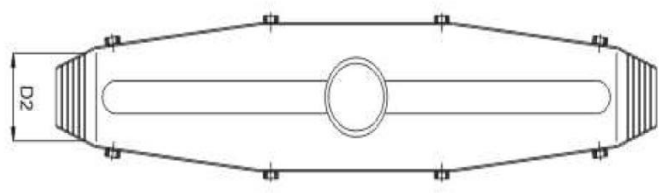
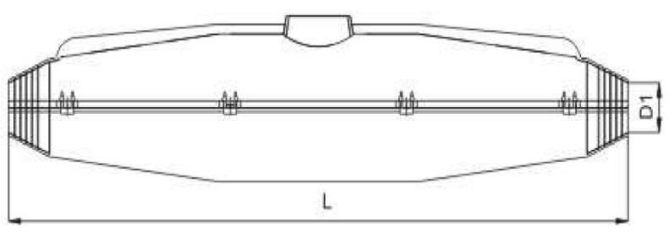
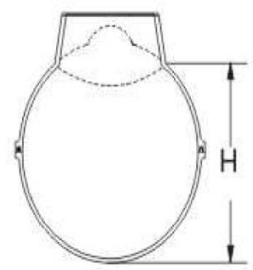
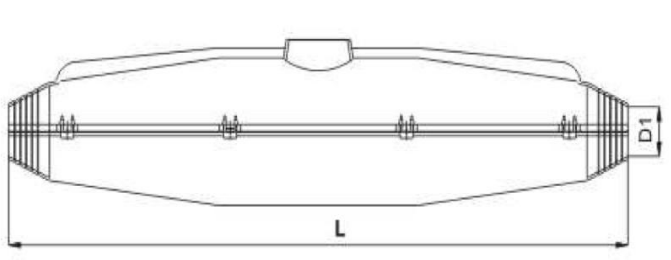
- A shock and chemical resistant mould incorporating our innovative patented clip design (this allows the joint to be easily re-entered if used in conjunction with our Cable Compound)
- Our unique patented insulated connector block, which covers the cable sizes that can be used within each mould for all four core cables from 1mm² up to 120mm² (for larger sizes standard connectors are available at present whilst the development of the larger fully insulated connectors is completed)
- All kits can be supplied with earthing connection conforming to the requirements of IS Standard if required. The mould is constructed from Durolon the new polycarbonate material which results in a crystal clear UV resistant molding. The material offers a very high impact strength - even at low temperatures - and is flame retardant. It is impervious to most everyday chemicals including hydrocarbons and its transparent finish allows the connections to be viewed at any time, unless filled with a two part resin system. All the moulds up to and including 4cx240mm² are injection molded, with the larger moulds being vacuum formed. Both methods utilize the same material thus allowing for any special designs to be made from a proven material. Joints are available for Straight, Mains Branch and Service Branch, accepting either paper or polymeric cables. Other kits for control cables, multi core telephone cables are also available.

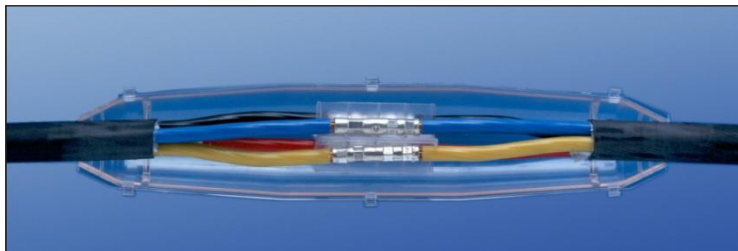




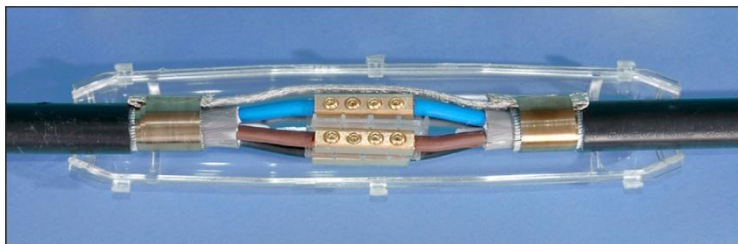
Product Selection Guide for LT ResinCast Straight Joint Kits (Aluminum) Conductor

PRODUCT CODE	Cable formation and conductor cross section No. of core x mm ²				Dimension
	2x	3x	3 ½ x	4x	LxH (mm)
NMAS-1	16-25	16-25	16-25	16-25	266x72
NMAS-2	25-95	25-95	25-95	25-95	365x95
NMAS-3	95-185	95-185	95-185	95-185	510x120
NMAS-4	185-300	185-300	185-300	185-300	760x180





ResinCast Joint with crimp connectors



ResinCast Joint with crimp connectors



ResinCast Joint with Plastic Outer Shell Mold

The range of JOINTMASK ResinCast LV Resin cable joints represents the very best available in terms of design, quality, ease of use and relevant certification.

Plastic Molded Shells

Rigid and very strong. Their snap lock design forms an excellent seal and prevents egress of resin.

Mechanical Connectors

These have been especially designed to match the same range of cable sizes as the joints they are supplied with. Machined from solid brass, they are suitable for either copper or aluminum conductors. Two Allen screws for each core ensure a sound electrical performance and an Allen key is also provided with each kit to ensure that everything needed to join a cable is included in the one box.

Earth Braid

Offers significant advantages over “single wire type” earth continuity systems, which can fail if poorly positioned within wire armour cores that have “spread”. The flat, soft braid ensures good electrical contact.

Constant Force Springs

Cable joints move and expand due to earth shift and heat from electrical current. Constant force springs react to this movement and maintain a sound electrical connection between the steel wire armouring and the earth continuity braid.

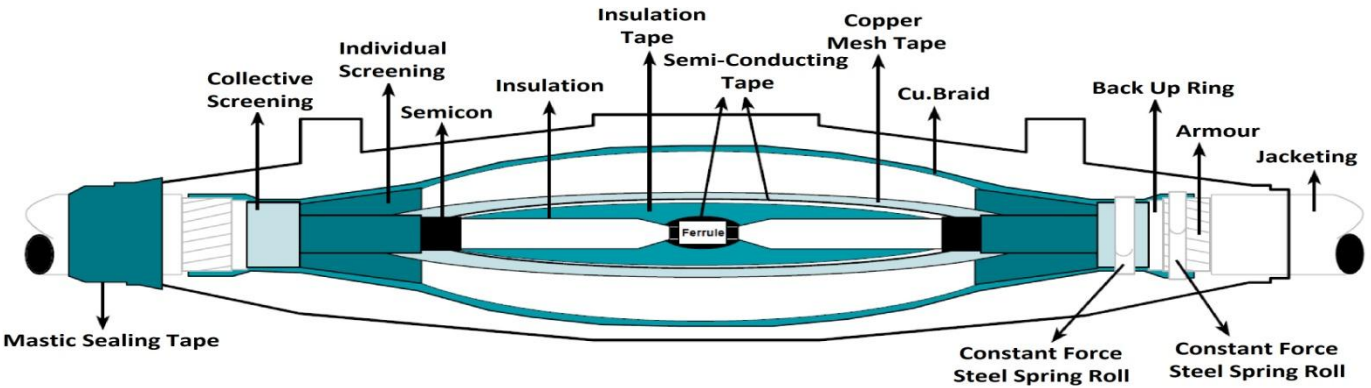
Core separators

Provide safe separation of cores and connectors.

Two-part resin

This long-proven resin formula is of such quality that it is equally suitable for both LV and MV applications and provides excellent adhesion to PVC, XLPE, polythene and paper cables.

Medium Voltage ResinCast Splicing Kits 6.6kV to 11kV

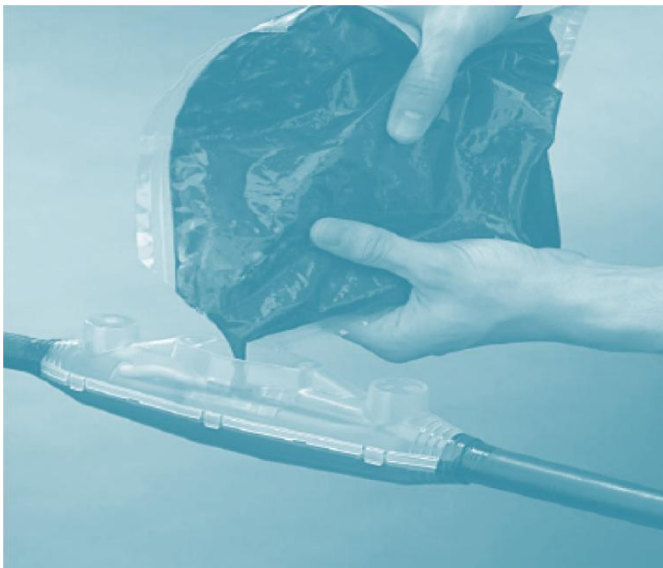


ELECTRICAL PERFORMANCE FOR LT 1.1KV

Test	1.1KV
A.C Dry Withstand Voltage	3.5KV/1 Minute
D.C Withstand , 30 Minute	15KV/15 Minute

ELECTRICAL PERFORMANCE FOR MV 6.6KV AND 11KV

Test	6.6KV	11KV
A.C Dry Withstand Voltage	27KV/1 Minute	35KV/1 Minute
D.C Withstand , 30 Minute	28KV	48KV
Impulse Withstand Voltage	60KV	75KV
Partial Discharge	7.8KV<5Pc	12.7KV<5Pc



MASTER ELECTRICALS

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