
PRODUCT SHEET

Elastimold® Shrink-Fit® cable joints

Provide ease of installation for even
the toughest applications



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For over 50 years, the Elastimold brand has been associated with reliable, high-quality, pre-molded power cable splices that are designed to withstand the rigors of the toughest utility applications. These products provide a cost-effective method to splice medium voltage cables, allowing cable neutrals to be solidly connected across the body of the splice without the use of any external braids.

For those who prefer a more range-taking solution without the use of any physical force to install, the only options available have been heat-shrink products that require multiple steps and the use of an open flame or braid/jacket combinations, which may inhibit certain utility work practices and increase safety requirements.

Now, there's a faster and easier way to splice medium-voltage cables — one that combines all of the convenience and flexibility of a pre-molded splice, with the range-taking ease of installation offered in a cold- or heat-shrink product, but without the use of ripcords, heat or excessive force. Introducing, Elastimold Shrink-Fit cable joints from ABB.

The Shrink-Fit cable joints are made of the same molded EPDM elastomer as our other Elastimold cable accessories. This high-performance material offers more durability than silicone for direct burial. The joints feature a four-piece plastic support core, which is placed over the cable for installation of the splice. The support core is then easily removed with the supplied tool, allowing the elastomer joint to contour over the spliced cable for a uniform seal every time.

Each Elastimold Shrink-Fit cable joint covers a wide range of cable sizes, features an insulated, semi-conductive shield and can be used with either a standard aluminum or optional copper compression splice.

Optional kits are available for neutral, shielding and jacket restoration. ABB now includes copper braids and a sealing kit with its Elastimold Shrink-Fit cable joints to provide a complete a splicing solution for medium voltage that is quick and easy to install.

Features

- Automatic core removal without ripcords or heat required for installation
- High-quality molded EPDM elastomer housing withstands the elements in harsh direct-burial, vault, manhole and overhead applications
- Four sizes support a wide range of cable and conductor sizes
- IEEE 404 rated shrink-fit cable joint

Typical applications

- Direct burial
- Handhole/pullbox
- Manhole
- Vault
- Overhead

Ratings

Voltage class (kV)	15	25/28	35
Max. phase-to-ground operation voltage (kV)	8.7	14.4	20.2
BIL impulse withstand (1.2 x 50 µsec. wave) (kV)	110	150	200
Corona extinction level @ 3.0 pC sensitivity (kV)	13	22	30
DC withstand during installation (kV)	56	80	100
DC withstand up to 5 yrs.— XLPE insulation (kV)	18	25	31
DC withstand up to 5 yrs.— EPR insulation (kV)	45	64	80
AC withstand at 60 Hz for 60 sec. (kV)	35	52	69
Continuous current	Equal to that of the cable		
Short-term current	Equal to that of the cable up to 35 kV		

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