

EFSJ

Filled joint for belted or screened, MI or MIND, three-core, paper insulated cables up to 12 kV

The Raychem the EFSJ series of filled joints are problem solving products based on materials science expertise. The main features of the joints are:

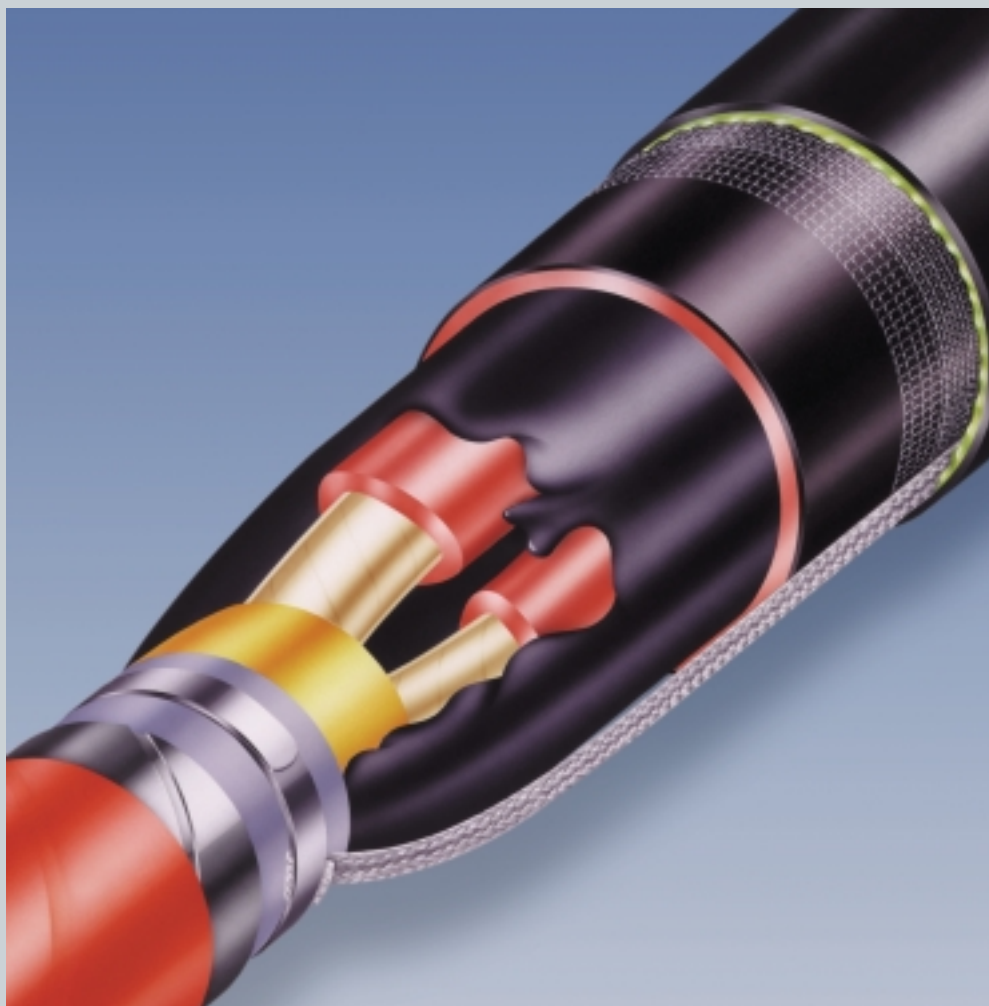
- Heat-shrink „compound box“**
- No pouring of hot compounds**
- Lightweight and low profile**
- Versatile and easy to install**

Many utilities today are installing polymeric cables as standard. Nevertheless, much of the existing network, and a substantial proportion of new installations are 12 kV paper insulated, MIND or MI cable. It is widely recognised that heat-shrinkable cable accessories are the answer to jointing the new polymeric cables due to their ease of installation and reliability.

For paper cables, the Raychem EFSJ system offers joints that:

- Simplify installation
- Accomodate transitions to polymeric cables
- Are compatible with proven jointing practices

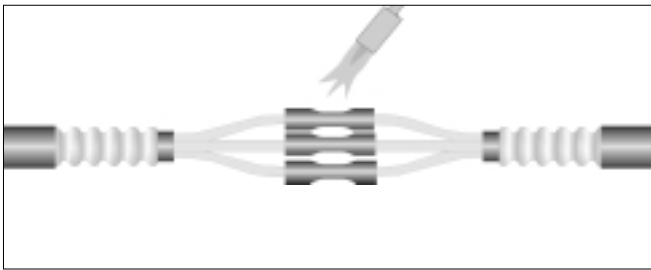
Primary insulation over the connectors is provided with proven heat-shrinkable insulating sleeves. The bulk filling medium is a cold applied mastic compound, fully compatible with the materials that are used to impregnate paper cables. The compound is contained in a low profile, heat-shrinkable casing – a shrinkable compound box. During installation of the heat-shrinkable casing the compound flows and fills, ensuring a fully blocked joint. The result is a joint that can be made quickly and reliably without the need to handle heavy, metal joint cases and without the requirement to pour hot compounds and oils.



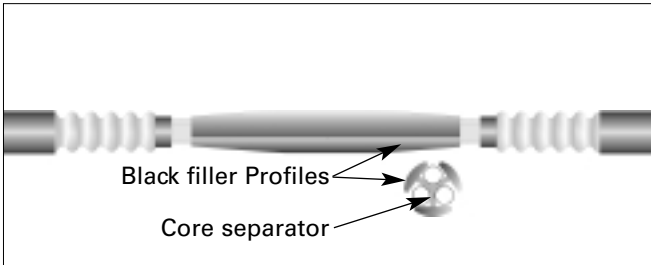
The EFSJ is versatile. It is factory-engineered for use on belted or screened, three-core, paper insulated, MI and MIND cables. Each basic joint kit can accommodate several cable sizes, so only four kits are required for the range of cross sections from 16 to 300 mm².

Transitions between paper cables of different cross sections and from paper to polymeric cables are achieved simply by the use of add on transition modules.

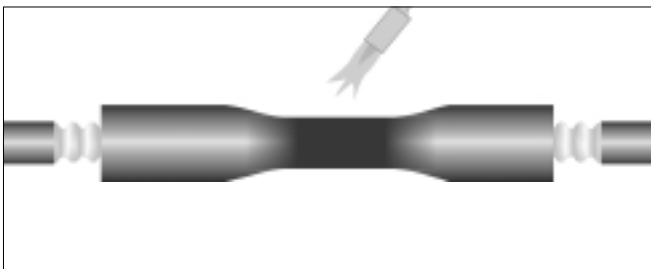
Mechanical kits are available that eliminate the requirement for plumbing in connecting cable sheaths.



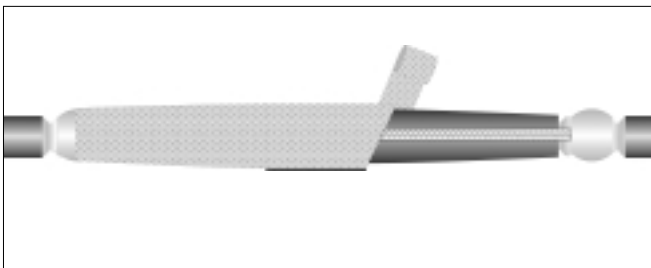
1. Insulating sleeves are shrunk over the connectors.



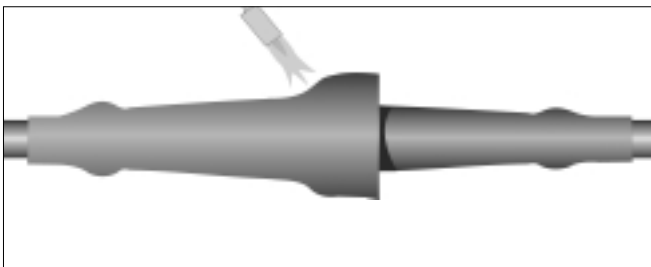
2. The cold-applied mastic compound is placed over the insulated cores.



3. The heavy, dual walled, insulating/conducting sleeve is shrunk down.



4. The copper earth braid and steel armour wrap are installed.



5. The outer sealing sleeves are shrunk down. The cable can be energized at once.



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