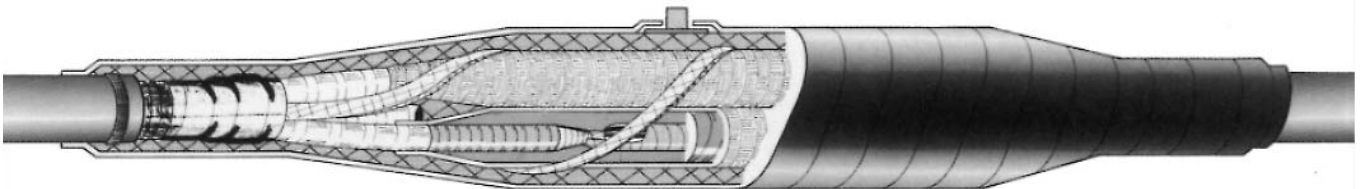


INJECTED STRAIGHT THROUGH JOINT - ITJM-3C

for three core polymeric and MIND paper insulated cables

APPLICATION

Utilisation

- jointing of three core MIND paper insulated cables (radial or belted) or of three core polymeric insulated cables.
- jointing of three core polymeric cables (radial or belted) with three core MIND paper insulated cables (radial or belted).
- conductor sizes equal or unequal.
- may be directly buried (after curing of resin).
- jointing cables laid underground or in tunnels on horizontal racks.
- may be used in special environmental conditions such as oil industry.

Cables

- three core MIND paper insulation.
- three core polymeric insulation.
- copper or aluminium conductor.
- metallic screen of tape or wire type.
- semi-conducting screen either extruded or taped.
- non-armoured or armoured.
- insulation voltage up to 36 kV (U_m).
- conductor sizes : 16 to 300 mm².

STANDARDS

Generally meets the requirements of C 33-001 - VDE 0278 - IEC 60502 - HD 629.

QUALITY ASSURANCE

The Company has been assessed by third party and found in conformity with the requirements of the standard ISO 9001 - EN 29001.

PACKING

Supplied as a kit for one three core joint containing all the necessary components except the ferrules (supplied on request).

Shipping weight and volume (approx) of kit.

- 12 kV	10 kg/0.025 m ³
- 17.5 kV	11 kg/0.030 m ³
- 24 kV	12 kg/0.030 m ³
- 36 kV	17 kg/0.035 m ³

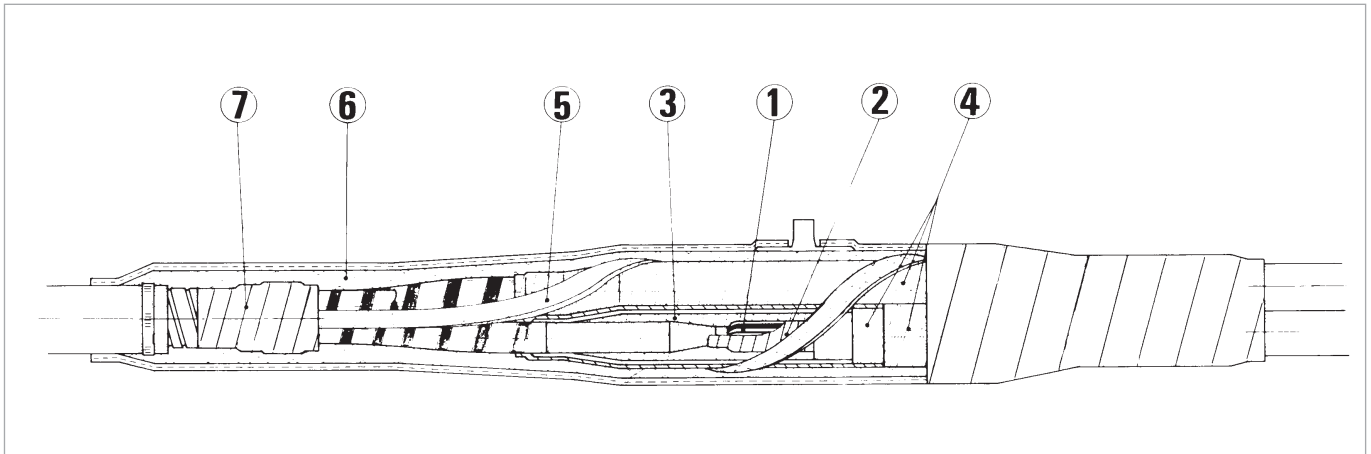
INSTALLATION FEATURES

- no need for special tools or heating.
- injection of resin with mechanical gun (not supplied) or with disposable injection device (can be supplied directly the kit - in this case, letter "F" to be added at the end of the kit reference).
- energizing of cable 30 minutes after injecting.
- polymerization of synthetic resins at ambient temperature +5°C to +45°C. Other conditions on request.

OTHER PRODUCTS

- joint for 1/C polymeric or MIND paper insulated cables, ITJM-1C.
- joint between 3/C polymeric cables (radial) and three 1/C polymeric or MIND paper insulated cables, ITJM-3x1C.
- transition joint between one 3/C or three 1/C polymeric cables and one 3/C or three 1/C (or one 3/C single lead) MIND paper insulated cables, ITJM-1C/3C.
- branch-joint for 1/C or 3/C polymeric cables, ITBM-1C and ITBM-3C.
- transition branch-joint between 3/C MIND paper insulated cables and polymeric cables, ITBM-3C.

INJECTED STRAIGHT THROUGH JOINT - ITJM-3C for three polymeric and MIND paper insulated cables



DESCRIPTION

- ① **Conductor ferrule**
- ② **Semi-conducting layer**
Wrapping of selfamalgamating semi-conducting EPR tape.
- ③ **Core insulation**
Wrapping of selfamalgamating insulating EPR tape.
- ④ **Equipotential connection**
Wrapping of selfamalgamating semi-conducting EPR tape and of tinned copper mesh tape.
- ⑤ **Core screen**
Tinned copper braid of adapted cross section, connected on the metallic screen of cable.
- ⑥ **Outer protection**
Plastic net tape applied in several layers with transparent enclosure tape to contain the injected resin. The resin is contained in two-component, watertight plastic bags.
- ⑦ **Watertightness**
Rings of mastic around the outer sheath and injected resin protection.

SELECTION GUIDE

1. Select in the table below, the kit model corresponding to the insulation voltage U_m (in kV : 12-17.5-24-36) and to the highest cross section (in mm²).
2. Add letter "F" to the kit reference, if a disposable injection device should be supplied in the kit.

VOLTAGE U_m	Max. conductor size mm ²	KIT REFERENCE
12 kV	50	ITJM-3C-12-50
	95	ITJM-3C-12-95
	150	ITJM-3C-12-150
	240	ITJM-3C-12-300
17.5 kV	50	ITJM-3C-17-50
	95	ITJM-3C-17-95
	150	ITJM-3C-17-150
	240	ITJM-3C-17-300
24 kV	50	ITJM-3C-24-50
	95	ITJM-3C-24-95
	150	ITJM-3C-24-150
	240	ITJM-3C-24-300
36 kV	50	ITJM-3C-36-50
	95	ITJM-3C-36-95
	150	ITJM-3C-36-150
	240	ITJM-3C-36-300

EXAMPLE OF ORDER

20 kV, three core, armoured, MIND paper insulated cable, 3x120 sqmm, with disposable injection device :
ITJM-3C-24-150-F.

IMPORTANT : before using this product, you must check if it is suitable for your intended application. You assume all risks and liability associated with such use. If any doubt, please consult us.