

Indoor single core termination-ELTImb-1C

For polymeric cables - Slip-on termination - Modular type

C 33-001 - HD 629-1 - IEC 60502-4 - ANSI/IEEE 48

elasticfit

Medium Voltage (MV)
Up to 24 kV
MV Terminations



Product Application and Design

Utilisation

- Indoor.
- In boxes and compact switchgears.
- In terminal boxes located outdoor and subject to condensation.

Cables

- Single core polymeric insulation (PE, XLPE, EPR...).
- Copper or aluminium conductor.
- Semi-conducting screen either extruded or taped.
- Metallic screen of tape, wire or polylam type .
- Non-armoured or armoured (either tape or wire type).
- Insulation voltage up to 24 kV (U_m).
- Conductor sizes : 35 to 240 mm².

Packing

Supplied as a kit of 3 single terminations containing all the necessary components, except the lugs (supplied on request).

Shipping weight and volume (approx):

- 12 kV → 1.7 kg / 0.007 m³
- 17.5 kV → 1.7 kg / 0.007 m³
- 24 kV → 1.7 kg / 0.007 m³

Other products

Indoor elastic terminations (modular) for 1/C polymeric cables up to 36 kV ELTI-1C.

Outdoor elastic termination (modular) for 1/C polymeric cables up to 36 kV ELTO-1C.

Indoor and outdoor elastic terminations (modular) for 3/C polymeric cables up to 36 kV ELTI-3C, ELTO-3C.

Indoor and outdoor coldshrink termination for 1/C or 3/C cables up to 36 kV CDTI-1C, CDTI-3C, CDTO-1C, CDTO-3C.

Installation features

No need for special tools, no heating or filling.

Vertical, angled or inverted position.

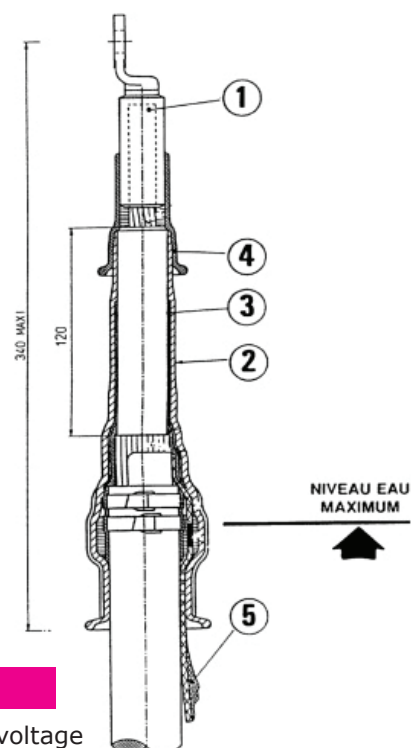
Energizing may take place immediately after completion of termination.

Modular components slipped over the cable using a special lubricant.

Description

- ① **Conductor lug**
Copper or aluminium. Crimped, deep type.
- ② **Outer protection**
Moulded from non-tracking silicone rubber.

Designed for condensation resistance and watertightness of earthing device.
- ③ **Stress relief tube**
Incorporated into the outer protection, controlling the electrical field distribution at the cable cutback.
- ④ **Lug cover**
Moulded from non-tracking silicone rubber, prevents penetration of water, positioned over end outer protection and barrel of lug (except for 12kV)..
- ⑤ **Earthing device**
Fitted as necessary, depending on cable design (T1-T2-T3) and on box or switchgear characteristics.



Selection guide

- 1- Select in both tables below the kit model corresponding to the insulation voltage and to the conductor size.

Tension	Ø over cable insulation mm		Section mm ² (à titre indicatif)	Model
	min	max		
12 kV	15,5	26,0	35 à 120	ELTImb-1C-12-B
	19,9	32,0	150 à 240	ELTImb-1C-12-C
17 kV	15,5	26,0	35 à 70	ELTImb-1C-17-B
	19,9	32,0	95 à 240	ELTImb-1C-17-C
24 kV	15,5	26,0	35	ELTImb-1C-24-B
	19,9	32,0	50 à 240	ELTImb-1C-24-C

2- Select suitable earthing device in the table below.

Earthing Device Reference	Type of Metallic Screen of Cable
T1	polylam
T2	Copper tapes
T3	Copper wires

Example of order

1x95 mm², 20 kV single cable, insulation diameter 23.5 mm, copper wire screen : **ELTImb-1C-24-C-T3**.