

Branch joint

NF C 33-002 (France), IEC 20/33 (Italie),
C81 (GB) et VDE 278 (Allemagne)

castfit

Low Voltage (LV)
Up to 1 kV
LV joint and Branch joint
Reference : CTBL



D1 - D2



D14 - D16



Product Application and Design

Utilisation

- Suitable for cables of different specifications.
- May be directly buried or submerged.
- May be used in special environmental conditions such as oil industry or mining, with adaptations as necessary.

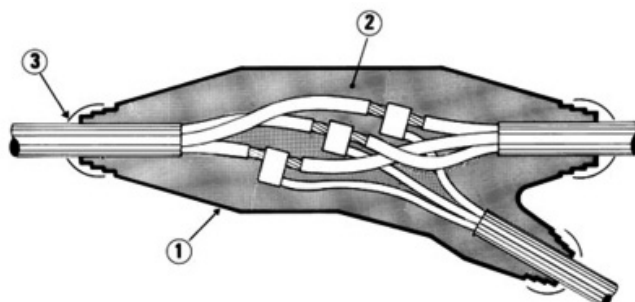
Cables

- Stranded or solid conductors, of copper or aluminium.
- Single or multi-core, including concentric neutrals.
- Polymeric insulation (PVC, XLPE, EPR) or paper insulation (MIND type).
- Non-armoured or armoured cable with either tape or wire.
- Insulation voltage U_m 1 kV.
- Range of conductor sizes : $4 \times 4 \text{ mm}^2$ to $4 \times 150 \text{ mm}^2$ in main cable : $4 \times 4 \text{ mm}^2$ à $4 \times 70 \text{ mm}^2$ in branch side.

Installation features

- No need for special tools or heating.
- Filling resin cures at ambient temperature.
- Energizing of cable may take place, on average, 30 minutes after filling.
- Immediate energizing is also possible following special procedures.

Description



- ① **Casing**
Casing is made of two shells of transparent thermoplastics which are fastened by slides.
- ② **Insulating material**
Two part synthetic resin, supplied in pre-dosed bags (D1 and D2) or in cans (D4, D14 and D16).
- ③ **Sealing**
Self-amalgamating tape or putty

Selection guide

1 - Select the kit model from the table on the basis of diameters and sizes of cable to be connected off :

Dimensions en mm	Kit model	Cable overall diam. mm			Maximum sizes of cables (for guidance only) Main Branch in mm ² * Non armoured ((A)R2V) armoured ((A)RVFV)	Approx. shipping weight and volume of kit	
		Main / Branch	Min.	Max.		kg	m ³
	CTBL-D1	Main Branch	9 9	24 24	4 x 6 4 x 4	0,5	0,0025
	CTBL-D2	Main Branch	12 12	24 24	4 x 16 4 x 10	1,5	0,0060
	CTBL-D4	Main Branch	20 18	36 28	4 x 50 4 x 25	2,6	0,0180
	CTBL-D14	Main Branch	28 20	50 33	4 x 95 4 x 35	4,0	0,0200
	CTBL-D16	Main Branch	28 18	60 45	4 x 150 4 x 70	7,8	0,0400

*When armour bonding is required, add PA to the kit reference.

Example of order

Branch joint for main cable NYY type 4 x 50 mm² R2V, secondary cable NYY type, 4 x 25 mm² R2V.
The selected model will be : **CTBL-D4**.