A mark of Prysmian Group

Straight throught joint

Generally meets the requirements of C81 - C 33-002 - CEI20/33.

castfit

Low voltage (LV)
Up to 1 kV
Jonctions et Dérivations
Reference : CTJL

J0 à J4

J15 à J17

Product Application and Design

Utilisation

- Jointing cables of different specifications and/or conductor sizes.
- Jointing cables laid underground, or in tunnels, on racks, or vertical (J0 to J4).
- May be directly buried or submerged.
- May be used in special environmental conditions sush as oil industry or mining, with adaptations as necessary.

Cables

- Stranded or solid conductors, of copper or aluminium.
- Single or multi-core, including concentring netrals.
- Polymeric insulation (PVC, XLPE, EPR) or paper insulation (MIND type).
- Non armoured or armoured cable with either tape or wire.
- Insulation voltage Um 1kV.
- Range of conductor sizes : 4 x 2.5 mm^2 to 4 x 300 mm^2.

Packing

Supplied as a kit for one joint containing all the necessary components except the ferrules (supplied on request). See table for shipping weight and volume (approx.) of kit.

Other products

- Also suitable for telephone and signal cables with special resin.
- Adaptation of J3, J4, J15 and J17 joints with EPR self-amalgamating tape for cables up to 6 kV (CJTM).

Installation features

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

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FT N°302 Straight throught Joint CTJL - V1 May 2018

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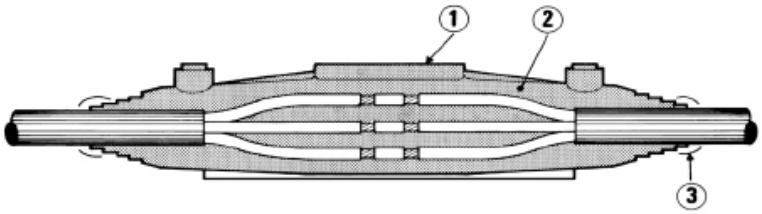
Description



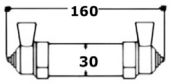
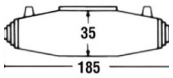
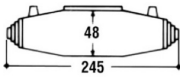
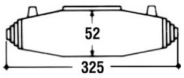
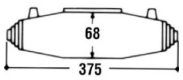
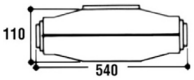
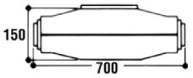
① **Casing**
Casing is made pf two shells of transparent thermoplastics material which are snapped together (J0 to J4) or fastened by slides (J15 and J17).

② **Insulating material**
Two-part synthetic resin, supplied in pre-dosed bags (J0 to J4) or in cans (J15 and J17).

③ **Sealing**
Self-amalgamating tape or putty.

Selection guide

1- Select the kit model from the table on the basics of diameters and sizes of cables to be connected :

Dimensions en mm	Kit model	Ø Cable overall		Maximum sizes of cables in mm²*			Approx. shipping weight and volume of kit	
				Non-armoured	Armoured			
		Min.	Max.	RO2V	RVFV	NF C 33-210	kg	m³
	**CTJL-J0**	8	18	1 x 50 2 x 10 4 x 6	2 x 10 3 x 6 4 x 4		0,40	0,0015
	**CTJL-J1**	12	26	1 x 120 3 x 25 4 x 16	3 x 25 4 x 25	2 x 25	0,45	0,0025
	**CTJL-J2**	14	32	1 x 240 Cu 1 x 95 Alu 3 x 50 4 x 25	3 x 25 4 x 25	3 x 35 + 35	0,75	0,0035
	**CTJL-J3**	23	39	1 x 300 Cu 1 x 240 Alu 3 x 70 4 x 50	3 x 50 + 35 4 x 50	3 x 50 + 50	1,35	0,0050
	**CTJL-J4**	28	50	1 x 400 3 x 120 4 x 95	3 x 70 + 50 4 x 95	3 x 95 + 50	1,90	0,0080
	**CTJL-J15**	38	62	1 x 630 3 x 240 4 x 150	3 x 185 + 70 4 x 150	3 x 150 + 70	7,70	0,0400
	**CTJL-J17**	58	86		4 x 300	3 x 240 + 95	17,00	0,0700

(*) Sections are indicative data.

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

Exemple of order

For a cable 4 x 25 mm ² (armed) RVRV outside diameter 30 mm and bypass of armors.
The selected model will be: **CTJL-J4-PA**.

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