

Magic Joint

Straight or branch joint with Magic Gel filling gel for extruded insulation cables up to 1 kV.

Joints for extruded cables F(R)G7OR 0.6/1 kV. Easy installation, composed of two anti-fracture plastic shells, to be filled with non-toxic quick cross linking bicomponent insulation with no shelf life, Magic Gel type. Suitable for installation in traps, channels or directly underground or under water. Non-toxic, safe, light and re-enterable. Thanks to the softness of the insulation, they are able to absorb external shock without cracking or fracturing. The extreme stickiness of the insulation, together with its softness allow it to transmit water pressure for installation even at high depths. Thanks to the materials used, joints are completely non-toxic, safe, re-enterable even after long periods of operation.

- Quick cross linking gel, (only 10 minutes at 23°C)
- Extremely adherent and tight sealing
- Non-toxic and safe
- No shelf life

Electrical performance:
CEI EN 50393 with connectors complying with EN 61238-1
(with testing under water head and water between the cable cores)
Class 2 in accordance with CEI 64-8.

Gel: UL 94-HB

Degree of protection: IP68

Operating temperature 90°

Installation temperature: -15°C / +45°C



Installation sequence



Prepare the joint.



Slip off the separator.



Mix for a minute.



Pour within a minute.



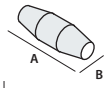
After 10 minutes, Magic joint is ready.





Magic Joint

Straight joint for 0.6/1 kV extruded cables.



For **COPPER** cables	Cable formation and conductor cross sections (n° x mm²)				Dimensions
Product	1x	2x	3x	4x	(mm)
Magic Joint 4	1,5 - 25	1,5 - 4	1,5 - 4	1,5 - 4	160 x 45
Magic Joint 10	2,5 - 50	1,5 - 10	1,5 - 10	1,5 - 10 *	180 x 50
Magic Joint 25	16 - 150	4 - 25	4 - 25	2,5 - 25	215 x 55
Magic Joint 35	16 - 185	16 - 35	16 - 35	16 - 35	232 x 70
Magic Joint 50	50 - 300	16 - 50	16 - 50	16 - 50	266 x 72
Magic Joint 95	120 - 400	25 - 95	25 - 95	25 - 95	330 x 75
Magic Joint 120	240 - 500	70 - 120	70 - 120	50 - 120	365 x 95
Magic Joint 240	400 - 1000	120 - 300	120 - 240	120 - 240	510 x 120
Magic Joint 300	630 - 2000	240 - 400	240 - 300	240 - 300	760 x 180

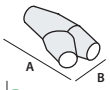
For **ALUMINIUM** cables	1x	2x	3x	4x	(mm)
Magic Joint 50	16 - 150	16 - 25	16 - 25	16 - 25	266 x 72
Magic Joint 120	185 - 400	25 - 95	25 - 95	25 - 95	365 x 95
Magic Joint 240	400 - 630	95 - 185	95 - 185	95 - 185	510 x 120
Magic Joint 300	630 - 2000	185 - 300	185 - 300	185 - 300	760 x 180

* Magic Joint 10 suggested for cable diameters smaller than 16 mm.



Magic Joint Y

Branch joint for 0.6/1 kV extruded cables.



For **COPPER** cables	Cable formation and conductor cross sections (n° x mm²)								Dimensions
	1x		2x		3x		4x		A x B
Product	**T**	**B**	**T**	**B**	**T**	**B**	**T**	**B**	(mm)
Magic Joint Y 6	4 - 50	4 - 50	4 - 10	4 - 10	2,5 - 6	2,5 - 6	2,5 - 6	2,5 - 6	180 x 90
Magic Joint Y25	50 - 150	50 - 150	10 - 25	10 - 25	6 - 25	6 - 16	6 - 25	6 - 10	220 x 105
Magic Joint Y95	120 - 400	95 - 240	25 - 95	16 - 50	25 - 95	16 - 50	25 - 95	10 - 50	315 x 115
Magic Joint Y240*	240 - 630	240 - 630	95 - 240	50 - 240	95 - 240	50 - 240	95 - 240	50 - 240	600 x 285

T : Through - **B** : Branch
***** also for aluminium cables.