



Magic Joint Fire

Straight or branch joint with quick cross linking bi-component cast gel for 0.6/1 kV flame retardant cables.

Magic line joints are now also available in the flame retardant version, MAGIC JOINT-FIRE, particularly suitable for installations in places most at risk of fire: available in straight and branch types, they maintain the electrical and sealing characteristics of the traditional Magic line described above, but add a self-extinguishing property, together with their low smoke and toxic gas development and absence of halogen, as required by main international legislation.

- Flame retardant
- Quick cross linking gel
- Extremely adherent and tight sealing
- For 0.6/1 kV extruded cables
- Non-toxic and safe
- No shelf life



Installation sequence




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.

No flame propagation:


CEI 20-35 • IEC 60332-1 HD405-1 (as applicable)
Low smoke and toxic and corrosive gas emissions

Gel: UL 94-HB 

Casing mix: UL 94-V2

Degree of protection: IP68

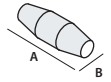
 Operating temperature

 Installation temperature: -10°C / +45°C



Magic Joint Fire

Straight joint for 0.6/1 kV extruded cables.



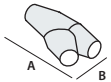
For COPPER cables	Cable formation and conductor cross sections (n° x mm ²)				Dimensions A x B (mm)
	1x	2x	3x	4x	
Product					
Magic Joint 4-Fire	1,5 - 25	1,5 - 4	1,5 - 4	1,5 - 4	160 x 45
Magic Joint 10-Fire	2,5 - 50	1,5 - 10	1,5 - 10	1,5 - 10 *	180 x 50
Magic Joint 25-Fire	16 - 150	4 - 25	4 - 25	2,5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

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



Magic Joint Y Fire

Branch joint for 0.6/1 kV extruded cables.



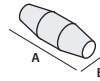
For COPPER cables	Cable formation and conductor cross sections (n° x mm ²)								Dimensions A x B (mm)
	1x		2x		3x		4x		
Product	T	B	T	B	T	B	T	B	
Magic Joint Y 6-Fire	4 - 50	4 - 50	4 - 10	4 - 10	2,5 - 6	2,5 - 6	2,5 - 6	2,5 - 6	180 x 90
Magic Joint Y25-Fire	50 - 150	50 - 150	10 - 25	10 - 25	6 - 25	6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

T: Through - B: Branch



Magic Joint S Fire

Straight joint for signalling and control.

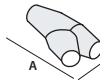


Product	Conductor cross sections (mm ²)	Cable formation (n° conductors)											Dimensions A x B (mm)				
		5x	7x	10x	12x	16x	19x	24x	40x	75x	100x	250x		500x			
Magic Joint S11 Fire	1,5 2,5	•	•	•	•	•											180 x 50
Magic Joint S12 Fire	1,5 2,5			•	•	•	•	•									215 x 55
Magic Joint S13 Fire	1,5 2,5					•	•	•	•								266 x 72
Magic Joint S14 Fire	1,5 2,5							•	•								330 x 75
Magic Joint S15 Fire	1,5 2,5								•	•							365 x 95
Magic Joint S16 Fire	1,5 2,5									•	•						510 x 120
Magic Joint S17 Fire	1,5 2,5										•	•	•				760 x 180

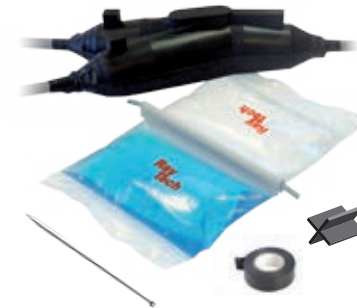


Magic Joint SY Fire

Branch joint for signalling and control.

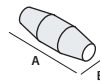


Product	Conductor cross sections (mm ²)	Cable formation (n° conductors)									Dimensions A x B (mm)						
		5x	7x	10x	12x	16x	19x	24x	40x	75x							
Magic Joint SY1 Fire	1,5 2,5	•	•	•	•	•	•										180 x 90
Magic Joint SY2 Fire	1,5 2,5			•	•	•	•	•									220 x 105
Magic Joint SY3 Fire	1,5 2,5							•	•	•	•						315 x 115



Magic Joint T Fire

Straight joint for telephone cable.



UNSCREENED Product	SCREENED Product	N° pairs per conductor cross sections (n° x mm ²)	Dimensions A x B (mm)
Magic Joint T16-Fire	Magic Joint TS16-Fire	1 - 16 x 0,5 - 0,6	180 x 50
Magic Joint T25-Fire	Magic Joint TS25-Fire	16 - 25 x 0,5 - 0,6	215 x 55
Magic Joint T35-Fire	Magic Joint TS35-Fire	25 - 35 x 0,5 - 0,6	266 x 72
Magic Joint T40-Fire	Magic Joint TS40-Fire	35 - 40 x 0,5 - 0,6	330 x 75
Magic Joint T64-Fire	Magic Joint TS64-Fire	40 - 64 x 0,5 - 0,6	365 x 95
Magic Joint T500-Fire	Magic Joint TS500-Fire	60 - 500 x 0,5 - 0,6	510 x 120
Magic Joint T1000-Fire	Magic Joint TS1000-Fire	450 - 1000 x 0,5 - 0,6	760 x 180

