



MAGIC POWER GEL

The unique bi-component gel in a single bottle, with superior dielectric, sealing and thermal characteristics, **RE-ENTERABLE** and **RE-USABLE!**



INSULATING AND SEALING GEL



RE-ENTERABLE



RE-USABLE



Ray
Tech

MAGIC POWER GEL

Without waste, for any type of power, signaling and telecom connection, **even in the worst possible conditions.**



Characteristics

- Very sticky
- Strong self amalgamating characteristics
- In a single, bi-component bottle, very compact and practical
- Re-usable as well as re-enterable, even after long working periods
- It doesn't give any waste
- Non toxic and safe
- Dielectric strength: >23 kV/mm
- Fast cross linking (approx 15 min at 25°C)
- Volume resistivity: > $2.10^{15} \Omega \text{cm}$
- The product cross links also at low temperature
- Working temperature: <-60°C to +200°C
- Overload temperature for short periods: up to 250°C
- No shelf life
- High dielectric and thermal characteristics
- Fungal and UV stabilised
- Degree of protection in suitable casings: IP68



Product Code	Colour	Package Type	Total quantity
Magic Power Gel		1 single, bi-component bottle - 1 small basin - 1 mixing spoon	1000 ml
Magic Power Gel 500		1 single, bi-component bottle - 1 small basin - 1 mixing spoon	500 ml
Magic Power Gel 250		1 single, bi-component bottle	250 ml

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**INSULATING
AND SEALING GEL**



RE-ENTERABLE



RE-USABLE



Thanks to the unique formula, no other gel can offer the following advantages:

STICKY CHARACTERISTICS

- Exceptional sealing properties in any condition
- Better resistance to pressure
- Effective and stable adhesion during time
- Effective even in vertical or ceiling applications

SELF AMALGAMATING CHARACTERISTICS

- Once cross linked it perfectly adheres on itself to get an homogeneous and compact mass
- It can be therefore applied in multiple layers

IN A SINGLE BI-COMPONENT BOTTLE

- Highly useful
- The most compact packaging
- Less space occupied in the toolbox
- Both components in the same packaging

RE-USABLE

- Thanks to the described characteristics Magic Power gel, once cross linked, can be removed from the box to operate on the connections, then re-applied even after long working or exposition periods
- Re-applied, it perfectly amalgamates on the product left in the box to get a compact mass
- Re-applied, it turns back to the same, high sealing characteristics of the new
- There is no limit to the amount of times the product can be re-used

NO WASTE

- Due to the nature of the product waste is eliminated; even residual product can be saved and used for the next application
- Also any left over product maintains its high performance characteristics

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MAGIC POWER JOINT



The most high performance technological joint in the world!
Insulated with Magic Power Gel, the innovative insulating gel that is pourable and self-agglomerating, **RE-ENTERABLE** and **INSPECTIONABLE**.



RE-ENTERABLE

REMOVABLE

INSPECTIONABLE



For 0.6/1 kV extruded cable, for installations even in harsh conditions and high depths! Non-toxic and with no shelf life.

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MAGIC POWER JOINT

Straight or branch joint, cast gel insulated, non-toxic, fast cross linking, extremely adherent and sealing.

RE-ENTERABLE

REMOVABLE

INSPECTIONABLE

Straight joint with cast gel insulation, for extruded cable 0.6/1 kV

• For copper conductors

Product Code	Cable formation and conductor cross section (n° x mm²)				Dimension Lx D (mm)
	1 x	2 x	3 x	4 x	
Magic Power Joint L10	2,5-50	1,5-10	1,5-10	1,5-10 *	180x50
Magic Power Joint L25	16-150	4-25	4-25	2,5-25	215x55
Magic Power Joint L35	16-185	16-35	16-35	16-35	232x70
Magic Power Joint L50	50-300	16-50	16-50	16-50	266x72
Magic Power Joint L95	120-400	25-95	25-95	25-95	330x75
Magic Power Joint L120	240-500	70-120	70-120	50-120	365x95
Magic Power Joint L240	400-1000	120-300	120-240	120-240	510x120
Magic Power Joint L300	630-2000	240-400	240-300	240-300	760x180



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

• For aluminium conductors or for use of share bolt connectors

Product code	Cable formation and conductor cross section (n° x mm²)				Dimension Lx D (mm)
	1 x	2 x	3 x	4 x	
Magic Power Joint L50	16-150	16-25	16-25	16-25	266x72
Magic Power Joint L120	185-400	25-95	25-95	25-95	365x95
Magic Power Joint L240	400-630	95-185	95-185	95-185	510x120
Magic Power Joint L300	630-2000	185-300	185-300	185-300	760x180

Branch joint with cast gel insulation, for extruded cable 0.6/1 kV

• For copper conductors (*also aluminium)

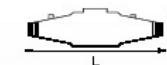
Product code	Cable formation and conductor cross section (n° x mm²)								L Dimension Lx D (mm)
	1x		2x		3x		4x		
	Through	Branch	Through	Branch	Through	Branch	Through	Branch	
Magic Power Joint Y 6	4-50	4-50	4-10	4-10	2,5-6	2,5-6	2,5-6	2,5-6	180x90
Magic Power Joint Y25	50-150	50-150	10-25	10-25	6-25	6-16	6-25	6-10	220x105
Magic Power Joint Y95	120-400	95-240	25-95	16-50	25-95	16-50	25-95	10-50	315x115
Magic Power Joint Y240*	240-630	240-630	95-240	50-240	95-240	50-240	95-240	50-240	600x285



Straight joint with cast gel insulation, for extruded screened cable 0.6/1 kV

• For copper conductors

Product code	Cable formation and conductor cross section (n° x mm²)				Dimension Lx D (mm)
	1 x	2 x	3 x	4 x	
Magic Power Joint L10-S	2,5-50	1,5-10	1,5-6	1,5-6	180x50
Magic Power Joint L25-S	16-120	4-25	4-16	2,5-16	215x55
Magic Power Joint L35-S	16-185	16-35	16-25	16-25	232x70
Magic Power Joint L50-S	50-240	16-50	16-50	16-50	266x72
Magic Power Joint L120-S	240-500	70-120	70-120	50-95	365x95
Magic Power Joint L240-S	400-1000	120-300	120-185	120-185	510x120
Magic Power Joint L300-S	630-2000	240-400	240-300	240-300	760x180



• For aluminium conductors or for use of share bolt connectors

Product code	Cable formation and conductor cross section (n° x mm²)				Dimension Lx D (mm)
	1 x	2 x	3 x	4 x	
Magic Power Joint L50-S	16-150	16-25	16-25	16-25	266x72
Magic Power Joint L120-S	185-400	25-95	25-95	25-95	365x95
Magic Power Joint L240-S	400-630	95-185	95-185	95-185	510x120
Magic Power Joint L300-S	630-2000	185-300	185-300	185-300	760x180

Branch joint with cast gel insulation, for extruded screened cable 0.6/1 kV

• For copper conductors (*also aluminium)

Product code	Cable formation and conductor cross section (n° x mm²)								L Dimension Lx D (mm)
	1x		2x		3x		4x		
	Through	Branch	Through	Branch	Through	Branch	Through	Branch	
Magic Power Joint Y 6-S	4-35	4-35	4-10	4-10	2,5-6	2,5-6	2,5-6	2,5-6	180x90
Magic Power Joint Y25-S	35-120	35-120	10-25	10-25	6-16	6-16	6-16	6-10	220x105
Magic Power Joint Y95-S	95-300	70-150	25-95	16-50	16-70	16-35	16-50	10-35	315x115
Magic Power Joint Y240-S*	240-630	150-630	95-240	50-240	70-240	35-240	50-240	35-240	600x285





Straight joint with cast gel insulation for extruded 0.6/1 kV tape or wire armoured cable

• For copper conductors

Product code	Cable formation and conductor cross section (mm ² x mm ²)			Dimension Lx D (mm)
	2x	3x	4x	
Magic Power Joint L10-ARM	1,5-10	1,5-6	1,5-6	180x50
Magic Power Joint L25-ARM	4-25	4-16	2,5-16	215x55
Magic Power Joint L35-ARM	16-35	16-25	16-25	232x70
Magic Power Joint L50-ARM	16-50	16-50	16-50	266x72
Magic Power Joint L120-ARM	70-120	70-120	50-95	365x95
Magic Power Joint L240-ARM	120-300	120-185	120-185	510x120
Magic Power Joint L300-ARM	240-400	240-300	240-300	760x180



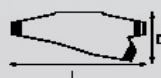
• For aluminium conductors or for use of share bolt connectors

Product code	Cable formation and conductor cross section (mm ² x mm ²)			Dimension Lx D (mm)
	2x	3x	4x	
Magic Power Joint L50-ARM	16-25	16-25	16-25	266x72
Magic Power Joint L120-ARM	25-95	25-95	25-95	365x95
Magic Power Joint L240-ARM	95-185	95-185	95-185	510x120
Magic Power Joint L300-ARM	185-300	185-300	185-300	760x180

Branch joint with cast gel insulation for extruded 0.6/1 kV tape or wire armoured cable

• Wire armoured cable • For copper conductors (*also aluminium)

Product code	Cable formation and conductor cross section (mm² x mm²)						Dimension Lx D (mm)
	2x		3x		4x		
	Through	Branch	Through	Branch	Through	Branch	
Magic Power Joint Y6-ARM-F	4-10	4-10	2,5-6	2,5-6	2,5-6	2,5-6	180x90
Magic Power Joint Y25-ARM-F	10-25	10-25	6-16	6-16	6-16	6-10	220x105
Magic Power Joint Y95-ARM-F	25-70	16-50	25-70	16-35	25-50	10-35	315x115
Magic Power Joint Y240-ARM-F*	70-240	50-240	70-240	35-240	50-240	35-240	600x285



• Tape or wire armoured cable • For copper conductors (*also aluminium)

Product code	Cable formation and conductor cross section (mm² x mm²)						Dimension L x D (mm)
	2x		3x		4x		
	Through	Branch	Through	Branch	Through	Branch	
Magic Power Joint Y6-ARM	4-10	4-10	2,5-6	2,5-6	2,5-6	2,5-6	180x90
Magic Power Joint Y25-ARM	10-25	10-25	6-16	6-16	6-16	6-10	220x105
Magic Power Joint Y95-ARM	25-70	16-50	25-70	16-35	25-50	10-35	315x115
Magic Power Joint Y240-ARM*	70-240	50-240	70-240	35-240	50-240	35-240	600x285



Accessories for telecom cables and for signalling and control

Straight joint with cast gel insulation, for multicore extruded cable 0.6/1 kV for signalling and control

Product code	Con. cross section (mm²)	Cable formation (n° conductor)												Dimension Lx D (mm)
		5x	7x	10x	12x	16x	19x	24x	40x	75x	100x	250x	500x	
Magic Power Joint SL11	1,5 2,5	●	●	●	●	●								180x50
Magic Power Joint SL12	1,5 2,5			●	●	●	●	●						215x55
Magic Power Joint SL13	1,5 2,5					●	●	●	●					266x72
Magic Power Joint SL14	1,5 2,5							●	●	●				330x75
Magic Power Joint SL15	1,5 2,5								●	●	●			365x95
Magic Power Joint SL16	1,5 2,5									●	●	●		510x120
Magic Power Joint SL17	1,5 2,5										●	●	●	760x180



Branch joint with cast gel insulation, for multicore extruded cable 0.6/1 kV for signalling and control

Product code	Con. cross section		Cable formation (n°conductor)											Dimension LxD (mm)
	(mm²)	5x	7x	10x	12x	16x	19x	24x	40x	75x	100x	250x	500x	
Magic Power Joint SY1	1,5	●	●	●	●	●	●							180x90
	2,5	●	●	●	●									
Magic Power Joint SY2	1,5					●	●	●						220x105
	2,5			●	●	●	●	●						
Magic Power Joint SY3	1,5						●	●	●	●				315x115
	2,5						●	●	●	●				
Magic Power Joint SY4	1,5									●	●	●	●	600x285
	2,5										●	●	●	



Straight joint with cast gel insulation, for telephone cable

• Unscreened cable

Product code	Cable formation and conductor cross section (pair nr. x mm ²)	Dimension Lx D (mm)
Magic Power Joint T16	1-16 x 0,5-0,6	180x50
Magic Power Joint T25	16-25 x 0,5-0,6	215x55
Magic Power Joint T35	25-35 x 0,5-0,6	266x72
Magic Power Joint T40	35-40 x 0,5-0,6	330x75
Magic Power Joint T64	40-64 x 0,5-0,6	365x95
Magic Power Joint T500	60-500 x 0,5-0,6	510x120
Magic Power Joint T1000	450-1000 x 0,5-0,6	760x180

• Screened cable

Product code	Cable formation and conductor cross section (pair nr. x mm ²)	Dimension Lx D (mm)
Magic Power Joint TS16	1-16 x 0,5-0,6	180x50
Magic Power Joint TS25	16-25 x 0,5-0,6	215x55
Magic Power Joint TS35	25-35 x 0,5-0,6	266x72
Magic Power Joint TS40	35-40 x 0,5-0,6	330x75
Magic Power Joint TS64	40-64 x 0,5-0,6	365x95
Magic Power Joint TS500	60-500 x 0,5-0,6	510x120
Magic Power Joint TS1000	450-1000 x 0,5-0,6	760x180

