

LOW VOLTAGE JOINTING BOXES

PRE-FILLED IP68

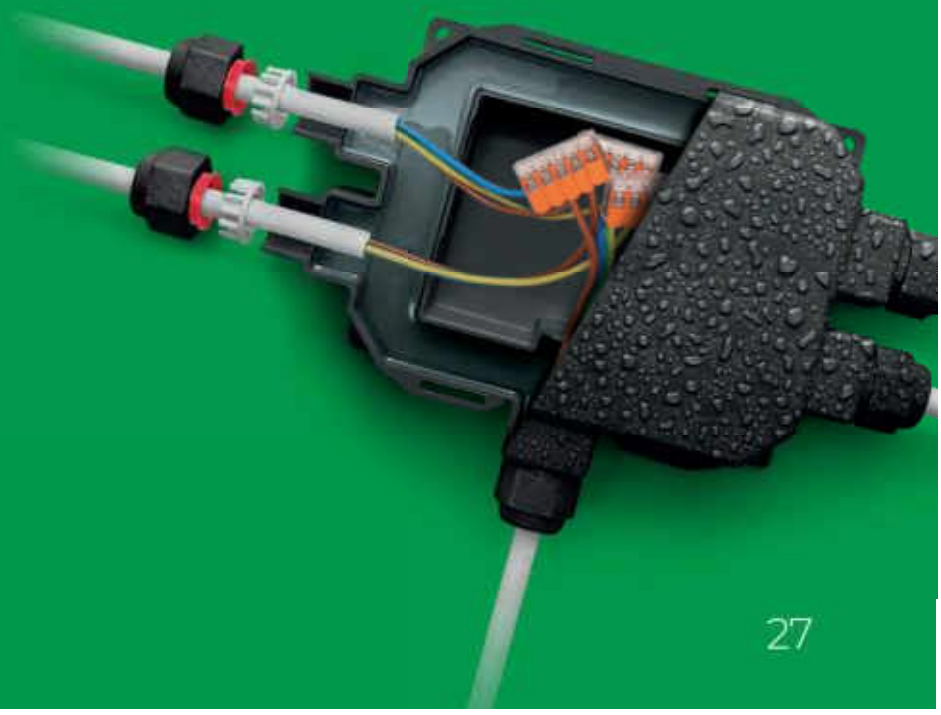
BOB
BABY BOX
READY BOX
FOX BOX

KIT IP68

MAGIC BOX
POWER KIT
MAGIC GEL SPRINT BOX 100

IP55

J-BOX



RAYTECH PRE-FILLED BOXES



BOB 3

1
Entrance

2
Outputs



Connector
3x 4 mm²
or free
connections



BOB 4

1
Entrance

3
Outputs



Connector
3x 4 mm²
or free
connections



**BABY
BOX**

1
Entrance

2
Outputs



Connector
3x 6 mm²
or free
connections



**BABY
BOX 3**

1
Entrance

3
Outputs



Connector
5x 6 mm²
or free
connections



**READY
BOX 90**

1
Entrance

2
Outputs



Connector
3x 6 mm²
or free
connections



**READY
BOX 120**

1
Entrance

3
Outputs



Connector
5x 6 mm²
or free
connections



**FOX
BOX 3**

1
Entrance

2
Outputs

Free
connections



**FOX
BOX**

1
Entrance

4
Outputs

Free
connections



HAPPY LINE

The revolutionary mini accessories with 3 entrances, pre-filled with gel and suitable for submersible installations (IPX8).

Designed in 3 dimensions to rapidly insulate and seal the most commonly used connectors. The 3 entrances not only guarantee the extreme flexibility in the range of these products by making possible triple configurations but also by the housing accepting a wide variety of connectors.

ADVANTAGES

- ▶ Extremely versatile - Ready to use - Re-enterable.
- ▶ For rigid or flexible insulated wires up to 6 mm².
- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.
- ▶ Small compact and robust.

Extra flexible membranes:

Extra flexible membranes

Safety closing system

GEL



Electrical performance:

- CEI EN 50393 as applicable (testing under water head of the accessory installed in a box).
- Class 2 in accordance with CEI 64-8.
- CEI EN 60998-1 - CEI EN 60998-2

🔧 Gel: UL 94-HB

🌡️ Working temperature: 90°

🌡️ Installation temperature: -40°C / +50°C

🌊 Fully submersible

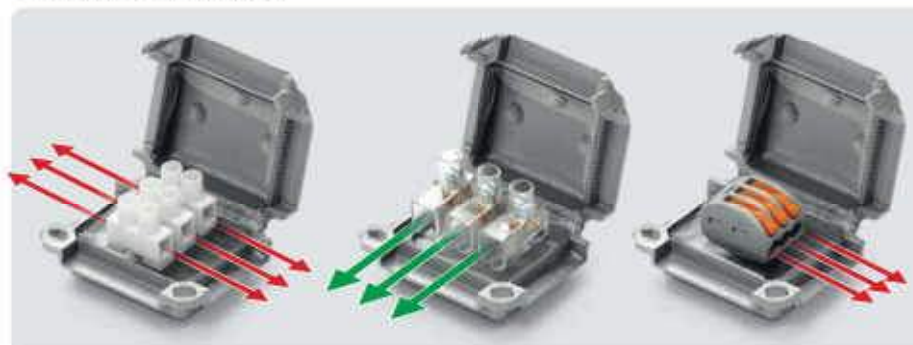
🔑 Can be used underground

🌿 Halogen-free Gel

☀️ UV resistant

IPX8
OFFICIALLY
TESTED | **IMQ**

Configuration examples





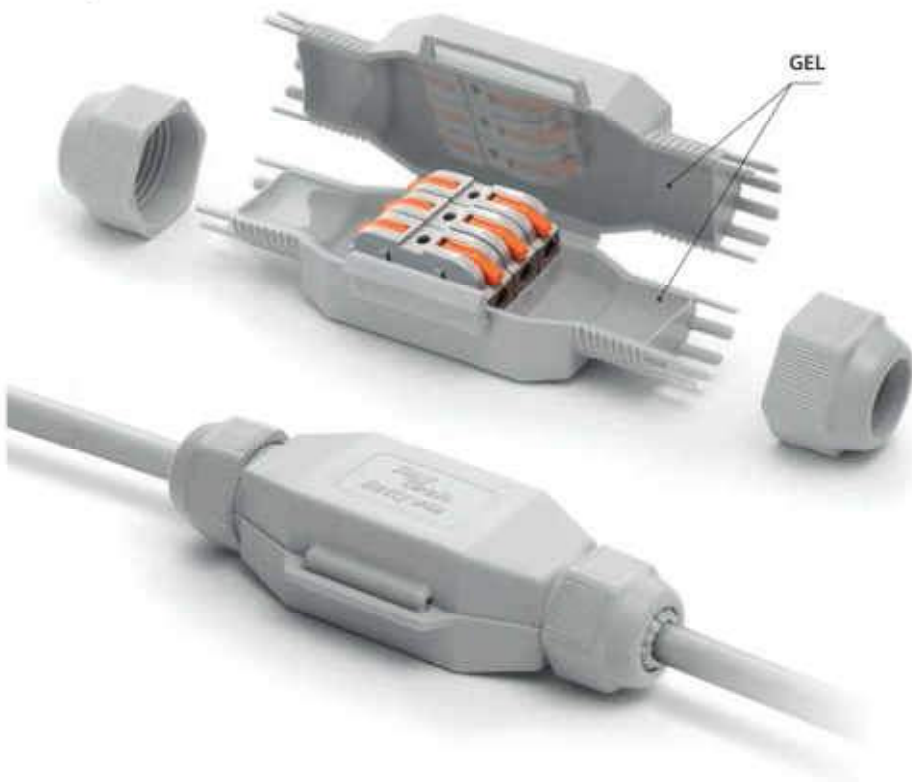
LITTLE JOINT EASY

The IP68/IP69K mini joints, gel pre-filled, complete with in-out lever connectors.

Thanks to the integrated cable glands, they allow the degree of protection IP68 and IP69K and at the same time the locking of the joint on the cable. Suitable for all types of installation, even the most extreme.

ADVANTAGES

- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.
- ▶ Extremely compact and ready to install.
- ▶ Ideal for connections in lighting systems for gardens, steps and stairways, pedestrian crossings, etc.
- ▶ Always re-enterable.



Electrical performance:

- CEI EN 50393 as applicable
- Class 2 in accordance with CEI 64-8.

🔥 Gel: UL 94-HB 

🌡 Working temperature: 90°

🌡 Installation temperature: -40°C / +50°C

🌊 Fully submersible

🔧 Can be used underground

🌿 Halogen-free Gel

☀ UV resistant

🔥 Self-extinguishing and resistant to abnormal heat and fire:
Glow Wire Flammability Index at +960°C according to EN60695-2-12

NEW IN-OUT LEVER CONNECTORS

- ▶ Modular, Composable, Ultra-fast, Self-extinguishing.



FRED EASY

2x 4 mm²



DINO EASY

3x 4 mm²



BETTY EASY

5x 4 mm²

IP68
OFFICIALLY
TESTED

IMQ

IP69K
OFFICIALLY
TESTED

MINI RAPID JOINT IP68

IP68 and IP69K joints for straight and branch connections, extremely compact and pre-filled with gel.

Extremely compact, ideal for lighting systems for gardens, steps and pedestrian crossings. Perfect for use in even small traps thanks to its very small overall dimensions. The cable glands supplied with the kit lock the joint on the cables.

ADVANTAGES


- ▶ Complete with screw connectors.
- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.
- ▶ Extremely compact and ready to install.
- ▶ Always re-enterable.
- ▶ Ideal for straight or branch connections in lighting systems for gardens, steps and stairways, pedestrian crossings, etc.

**INDUSTRIAL
USE**


Electrical performance:


- CEI EN 50393 as applicable
- Class 2 in accordance with CEI 64-8.

 Gel: UL 94-HB 

 Working temperature: 90°

 Installation temperature: -40°C / +50°C

 Fully submersible

 Can be used underground

 Halogen-free Gel

 UV resistant

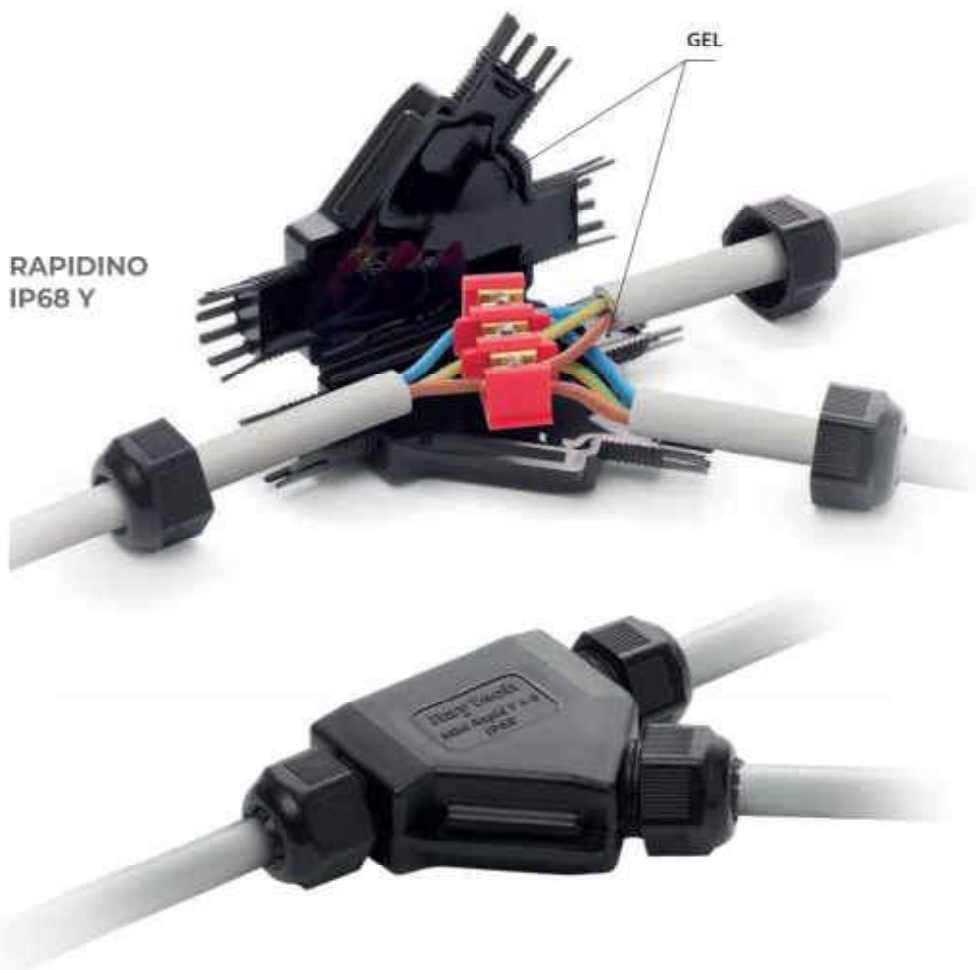
 Self-extinguishing and resistant to abnormal heat and fire:
Glow Wire Flammability Index at +960° C according to EN60695-2-12

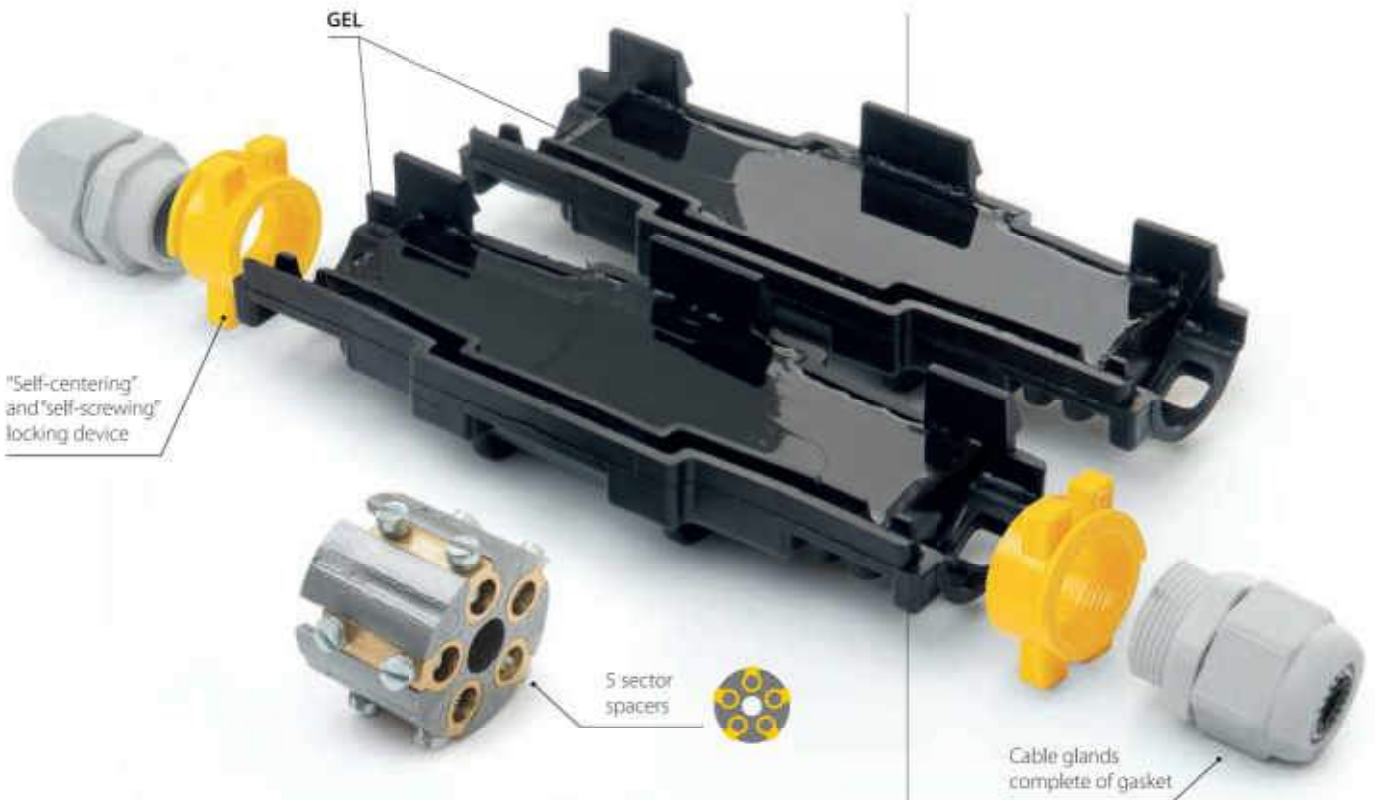
IP68
OFFICIALLY
TESTED

IMQ

IP69K
OFFICIALLY
TESTED

RAPIDINO
IP68 Y





PRODUCT Item	Formation n°	Configuration IP68			Configuration IPX8		
		Section (mm ²)	Cable Ø (mm)	A x B (mm)	Section (mm ²)	Cable Ø (mm)	A x B (mm)
Rapid Joint L1,5-IP68 RAPIDJL1,5-IP68	•	4 - 25			1,5 - 50		
	⊕	1,5 - 4			1,5 - 6		
	⊕	1,5 - 2,5	8 - 13	155 x 55	1,5 - 6	20,5	105 x 55
	⊕	1,5			1,5 - 6		
Rapid Joint L6-IP68 RAPIDJL6-IP68	•	25 - 70			2,5 - 150		
	⊕	2,5 - 6			2,5 - 10		
	⊕	2,5 - 6	12 - 18	245 x 60	2,5 - 10	24	180 x 60
	⊕	2,5 - 6			2,5 - 10		
Rapid Joint L10-IP68 RAPIDJL10-IP68	•	70 - 95			120 - 240		
	⊕	10			10 - 25		
	⊕	10	16 - 20	275 x 65	10 - 25	31	210 x 65
	⊕	10			10 - 25		
Rapid Joint L25-IP68 RAPIDJL25-IP68	•	120 - 240			120 - 240		
	⊕	25			10 - 50		
	⊕	16 - 25	21 - 28	410 x 100	10 - 50	42	320 x 100
	⊕	16 - 25			10 - 50		



For single core cable: do not install the separator with screw connectors and connect with crimp connector.

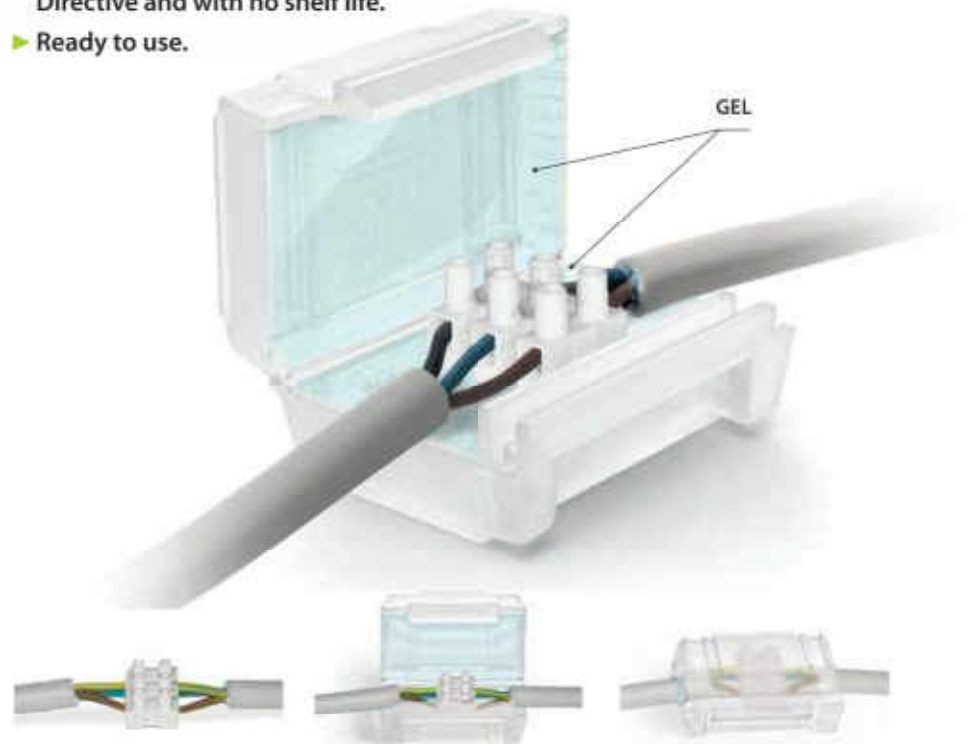


GEL COVER LINE

Gel pre-filled accessories for straight connections, for the protection, safety and covering of electrical connections using strip connectors or alternatives.

ADVANTAGES

- ▶ For 3 x 1 to 6 mm² cables or 3 insulated wires.
- ▶ For domestic and industrial connections.
- ▶ To put household systems in order.
- ▶ Also for underwater use.
- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.
- ▶ Ready to use.



Electrical performance:

- CEI EN 50393 as applicable
- Class 2 in accordance with CEI 64-8.

🔥 Gel: LIL 94-HB 

🌡 Working temperature: 90°

🌡 Installation temperature: -40°C / +50°C

🌊 Fully submersible

🔧 Can be used underground

🌿 Halogen-free Gel

☀ UV resistant

IPX8
OFFICIALLY
TESTED | **IMQ**



SUPER CLIK

Range of fast gel pre-filled straight or branch type joints for 0.6/1 kV multi core cables of up to 5 conductors.

The combination of the primary insulation in a cross-linked polymer gel and the highly robust insulating plastic case makes this a Class 2 joint defined by CEI 64-8. The joint has been tested in accordance with the main international specifications, with repeated flexing and torsion tests and immersion in water, it has been declared as conforming to the mechanical, electrical and sealing specifications required for plastic cable accessories. The joint and its components have an unlimited shelf life, they are chemically inert and therefore completely safe; the connections are re-entrable even after long working periods. Made of self-extinguishing components the joint is flame retardant. For cables at 90°C working temperature.



Electrical performance:

- CEI EN 50393 as applicable
- Class 2 in accordance with CEI 64-8.

🔥 Gel: UL 94-HB 

🔥 Casing mix: UL 94-V2

🌡 Working temperature: 90°

🌡 Installation temperature: -40°C / +50°C

🌊 Fully submersible

🔧 Can be used underground

🌿 Halogen-free Gel

☀ UV resistant

🔥 No flame propagation:
CEI 20-35 • IEC 60332-1 • HD405-1
(as applicable)

IPX8
OFFICIALLY
TESTED | IMQ



ADVANTAGES


- ▶ Complete with insulated terminal blocks.
- ▶ For straight and branch connections.
- ▶ For all types of application, including submersible.
- ▶ Re-accessible.
- ▶ Flame retardant.
- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.



SUPER CLIK

Electrical performance:

- CEI EN 50393
with connectors complying
with EN 61238-1
- Class 2 in accordance with CEI 64-8.

🔥 **Gel:** UL 94-HB 

🔥 **Casing mix:** UL 94-V2

🌡️ **Working temperature:** 90°

🌡️ **Installation temperature:** -40°C / +50°C

🌊 **Fully submersible**

🔑 **Can be used underground**

🌿 **Halogen-free Gel**

☀️ **UV resistant**

🔥 **No flame propagation:**
CEI 20-35 • IEC 60332-1 • HD405-1
(as applicable)



IPX8
OFFICIALLY
TESTED



Sections based on
extruded 0,6/1 kV cable.

CLIK FIRE

Straight or branch gel pre-filled joint,
for multi core cables up to 4 cores.



► Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.

STRAIGHT OR BRANCH MULTI CORE JOINTS

PRODUCT / Item	Cable formation and conductor cross sections (n° x mm²)		max cables Ø (mm)		Dimension (mm)
	Through or straight	1 or 2 branch cables	Through or straight	Branch	
CLIK 0 Fire 214663-003	1 x 2,5 - 50	1 x 1,5 - 10	16	10	95 x 43 x 28
	2 x 2,5 - 6	2 x 1,5			
CLIK 1 Fire 225449-001	1 x 6 - 95	1 x 1,5 - 35	20,5	15	150 x 56 x 30
	2 x 1,5 - 16	2 x 1,5 - 6			
	3 x 1,5 - 10	3 x 1,5 - 6			
CLIK 2 Fire 301096-001	4 x 1,5 - 10	4 x 1,5 - 4	30	29	220 x 85 x 46
	1 x 50 - 185	1 x 16 - 185			
	2 x 10 - 35	2 x 1,5 - 35			
	3 x 6 - 35	3 x 1,5 - 35			
	4 x 6 - 35	4 x 1,5 - 16			

BRANCH JOINTS WITH 30° OUTPUT

PRODUCT / Item	Through	Branch	max cables Ø (mm)		Dimension (mm)
			Through	Branch	
CLIK 2000 Fire 214663-004	1 x 2,5 - 25	1 x 1,5 - 16	14	12,5	75 x 40 x 21
CLIK 2001 Fire 225448-002	1 x 6 - 95	1 x 1,5 - 70	22,5	18,5	138 x 60 x 37
	2 x 1,5 - 16	2 x 1,5 - 10			
	3 x 2,5 - 16	3 x 1,5 - 10			
CLIK 2002 Fire 301096-005	4 x 2,5 - 10	4 x 1,5 - 6	26	18,5	194 x 74 x 43
	1 x 50 - 150	1 x 1,5 - 70			
	2 x 1,5 - 25	2 x 1,5 - 10			
	3 x 4 - 25	3 x 1,5 - 10			
	4 x 4 - 16	4 x 1,5 - 6			
CLIK 2003 Fire 301097-006	1 x 150 - 240	1 x 50 - 120	36	26	290 x 105 x 51
	2 x 16 - 50	2 x 10 - 25			
	3 x 16 - 50	3 x 10 - 25			
	4 x 16 - 50	4 x 6 - 16			

CLIK FIRE A2A

Main line branch joint for parallel type public lighting systems.

Branch joints from main to main cable, from main to pole rise, from overhead line to pole equipment, from pre-assembled cable to pole equipment, of a type certified by Azienda Elettrica Milanese (A2A, ex AEM). Accessories are complete with mantel-type, pre-insulated Allen screw connectors and, for installations with traps, with the specific protection monitor plate. Joints are non-toxic, with no shelf life and re-enterable.



PRODUCT Item	Approval code	Branch type	Through cable (n° x mm ²)	Branch cable (n° x mm ²)
CLIK 2 Fire Dor/Palo 301009-000	E 27.012	Main / Pole	RG7R 2 x 1 x 16	FG7OR 2 x 2,5
CLIK 1 Fire Dor/Dor 302009-000	E 27.013	Main / Main	RG7R 4 x 1 x 16	RG7R 4 x 1 x 16
CLIK 1 Fire Aer/Dap 302008-000	E 27.014	Overhead line / Equipment	UG7R 2 x 1 x 16	FG7R 2 x 1 x 4
CLIK 2 Fire Prec/Dap 301008-000	E 27.015	Pre-assembled / Equipment	RE4E4X 2 x 1 x 10	FG7OR 2 x 2,5



Electrical performance:
• CEI EN 50393 • CEI 20-33 • IP 0033 (A2A)

- Gel:** UL 94-HB
- Casing mix:** UL 94-V2
- Working temperature:** 90°
- Installation temperature:** -40°C / +50°C
- Fully submersible**
- Can be used underground**
- No flame propagation:**
CEI 20-35 • IEC 60332-1 • HD405-1 (as applicable)
- A2A Certified**

IPX8
OFFICIALLY
TESTED

CLIK FIRE A2A (FUSE)

Branch joint from main to pole rise, with protection fuse.

Branch joints from main to pole rise complete with disconnectable fuse holder and fuse with signal indicating intervention. Accessories are complete with mantel-type, pre-insulated Allen screw connectors and, for installations with traps, with the specific protection monitor plate. Joints are non-toxic, with no shelf life and re-enterable and flame retardant.



PRODUCT / Item	Fuse inserted	Branch type	Through cable (n° x mm ²)	Branch cable (n° x mm ²)
CLIK 2 Fire Dor/Palo Fuse 301010-000	2 A	Main / Pole	RG7R 4 x 1 x 16	FG7OR 2 x 2,5



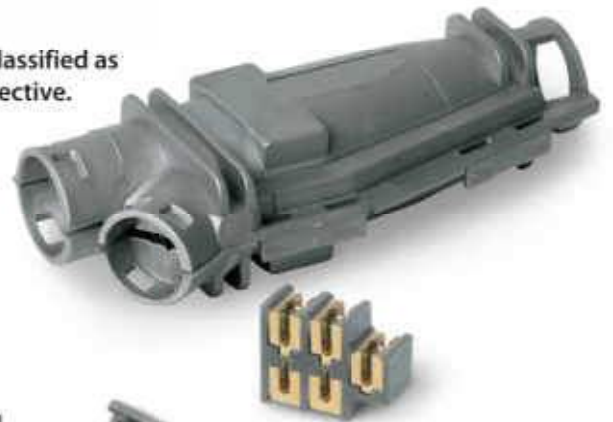
KING JOINT

Range of fast gel pre-filled straight or branch type joints for 0.6/1 kV multi core cables of up to 5 conductors.

The primary insulation, consisting of a cross-linked polymer gel and extremely strong plastic insulating housing, make the Class 2, in accordance with the definitions contained in CEI Regulation 64-8. The joint, tested in accordance with the most important international specifications with repeated bending and twisting cycles and immersion in water, was found to comply with the mechanical, electrical and sealing requirements necessary for accessories for plastic cables. The joint and its components have no self life, are chemically inert and therefore completely safe; the conductor connections are re-accessible even after long operating periods. Packaged with self-extinguishing material, it is flame retardant. Suitable for cables with a temperature of +90°C.

ADVANTAGES

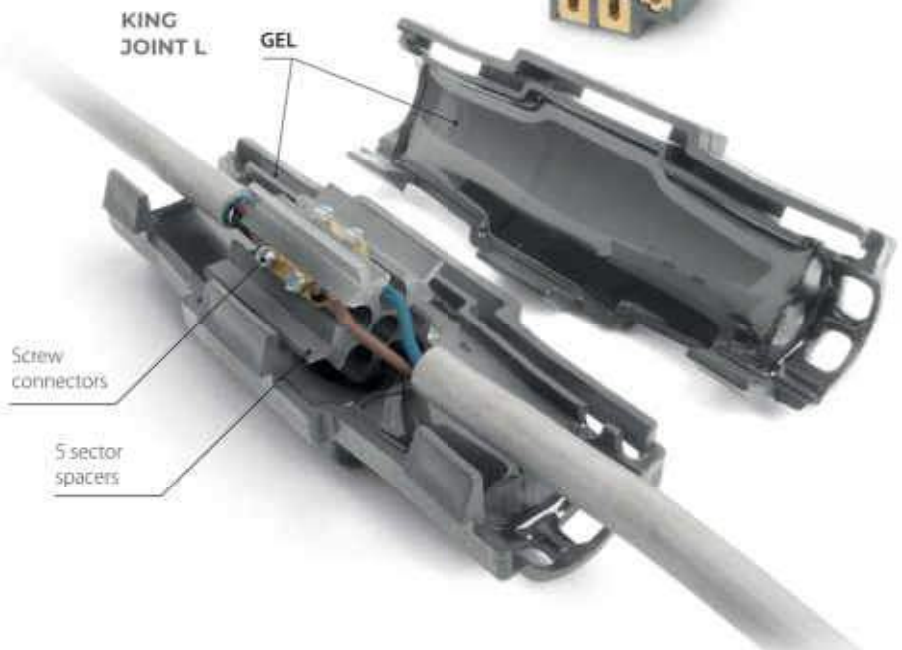
- ▶ For multicore cables of up to 5 cores.
- ▶ 5 sector spacers for proper centring of five-core connection.
- ▶ Complete with screw connectors.
- ▶ For straight and branch connections, including armoured cable.
- ▶ For all types of application, including submersible.
- ▶ Re-accessible.
- ▶ Flame retardant.
- ▶ Non-toxic, safe and not classified as hazardous under CLP Directive.



Electrical performance:

- CEI EN 50393
- Class 2 in accordance with CEI 64-8.

- 🔥 Gel: UL 94-HB 
- 🔥 Casing mix: UL 94-V2
- 🌡 Working temperature: 90°
- 🌡 Installation temperature: -40°C / +50°C
- 🌊 Fully submersible
- 🔧 Can be used underground
- 🌿 Halogen-free Gel
- 🔥 No flame propagation:
CEI 20-35 • IEC 60332-1 • HD405-1
(as applicable)
Low smoke and toxic and
corrosive gas emissions.
- 🛡 Degree of protection: IPX8



RAPID JOINT

Radial closing gel pre-filled joint for extruded insulation cables up to 1 kV.

Made with self-extinguishing material, flame retardant, for cables at 90°C working temperature. The radial closing system facilitates joint application, making them re-enterable only by means of a tool.

ADVANTAGES

- ▶ For straight connections (in line).
- ▶ With suitable spacers.
- ▶ For all types of application, including submersible.
- ▶ Wide range of cable formations.
- ▶ Pre-filled with a gel that is not-classified as hazardous under the CLP Directive and with no shelf life.



For **COPPER** cables

PRODUCT / Item	Cable formation and conductor cross sections (n° x mm²)				With fiber-optic separator 4x	Dimension (mm)
	1x	2x	3x	4x		
RAPID JOINT L6 301098-037	1,5 - 50	1,5 - 10	1,5 - 10	1,5 - 6	-	105 x 55
RAPID JOINT L10 301098-004	2,5 - 150	2,5 - 25	2,5 - 16	2,5 - 16	-	180 x 60
RAPID JOINT L25 301098-006	120 - 240	6 - 50	6 - 35	4 - 35	-	210 x 65
RAPID JOINT L95 301098-003	185 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100

For **ALUMINIUM** cables

PRODUCT / Item	1x	2x	3x	4x	4x	Dimension (mm)
	RAPID JOINT L25 301098-006	120 - 150	16 - 35	10 - 25		
RAPID JOINT L95 301098-003	185 - 400	35 - 95	25 - 70	25 - 70	16 - 50	320 x 100



Electrical performance:

- CEI EN 50393 with connectors complying with EN 61238-1
- Class 2 in accordance with CEI 64-8.

🔥 **Gel:** UL 94-HB

🔥 **Casing mix:** UL 94-V2

🌡️ **Working temperature:** 90°

🌡️ **Installation temperature:** -40°C / +50°C

🌊 **Fully submersible**

🔑 **Can be used underground**

🌿 **Halogen-free Gel**

🔥 **No flame propagation:**
CEI 20-35 • IEC 60332-1 • HD405-1 (as applicable)

● **Degree of protection:** IPXB