



IP68 gel insulated junction device

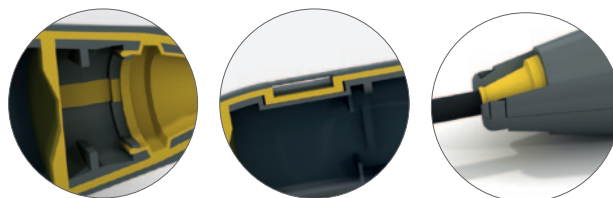
LEDJOY® is a revolutionary gel insulated junction device with IP68 protection degree for connecting small cross-section cables from 0.5 to 1.5 mm².

Its innovative design and patented solutions guarantee reliable performance in narrow spaces and under all conditions.

Co-moulding technology

LEDJOY® shell is made up of:

- a self-extinguishing **rigid plastic outer shell** that guarantees the mechanical protection of the connection, also suitable for underground installation;
- co-moulded **flexible walls** for gel retention, allowing easy cable housing with no need to break or remove any rigid walls;
- **watertight gaskets** and cable housing, also co-moulded with the outer shell.



IP68: total protection

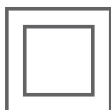
The innovative features of LEDJOY® shell together with silicon gel technology **guarantee IP68 protection degree** without the need for cable glands.

Total protection from water, dust, debris, and weathering under all installation conditions.



Double insulation

thanks to the insulated connector included in the kit.



Two connectors included

2-pole insulated spring connector makes the connection quick and easy with no need for tightening tools, and guarantees a high resistance to traction without compromising the integrity of narrow cross-section conductors.



Indirect contact **3-pole insulated screw-type clamping connector** with protection blades for narrow cross-section conductors.

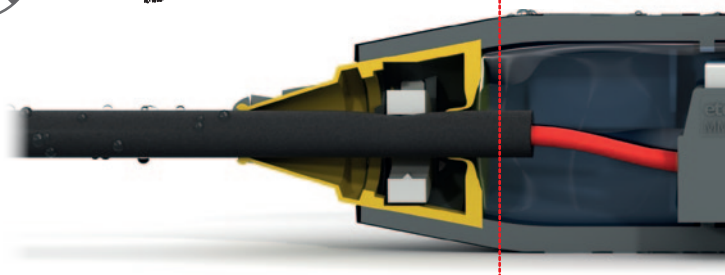


Zero capillarity, no condensation

The silicone gel inside LEDJOY® guarantees high long-term protection and insulation, preventing moisture entering the shell, the rise of moisture along the cable due to capillary action, and the formation of condensation inside the appliances, a frequent cause of damage (especially LED lighting fixtures).



NO CONDENSATION IP68



Cable blocking system

specially designed and easy to apply without tools and tightening screws, heightening the safety of the connection, securing the cable in the event of traction or external mechanical stress.



Minimum size, maximum performance

With its compact circular shape and small size, LEDJOY® can also be installed in narrow spaces, and can be used in cable ducts, corrugated pipes, poles, and supporting structures, with no need for supplementary junction boxes.



LEDJOY® is easy and quick to instal even in limited operating space as it requires no tools, cable gland or components to pull over the cables.

The reduced number of components, the absence of gaskets to be assembled, and the few and easy operations to carry out allow quick and reliable installation



Re-enterable connection

The features of LEDJOY® and gel technology allow re-entry to the connection.



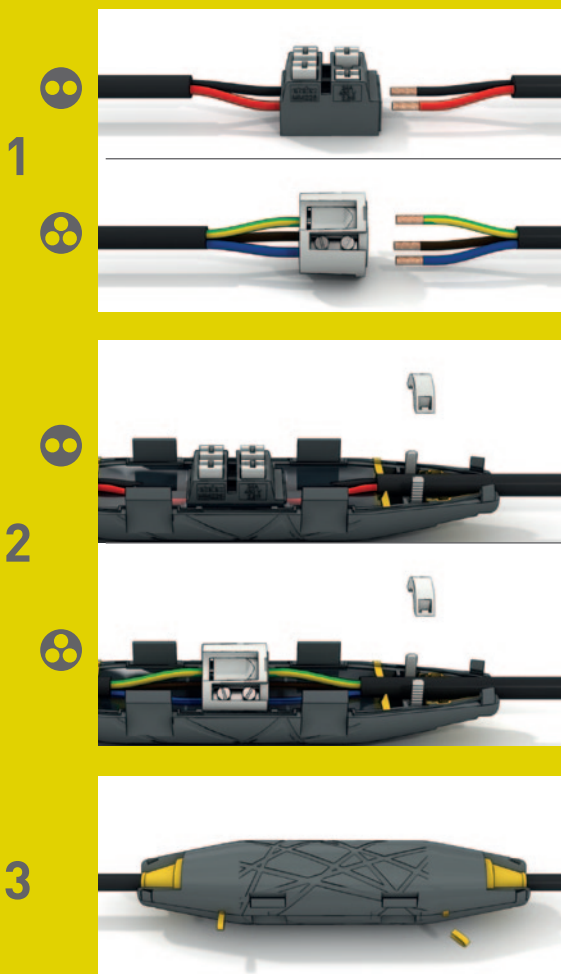
Eco-friendly

The gel inside LEDJOY® is non-toxic, and has no expiry date. Its ability to protect and insulate connections does not change with time.



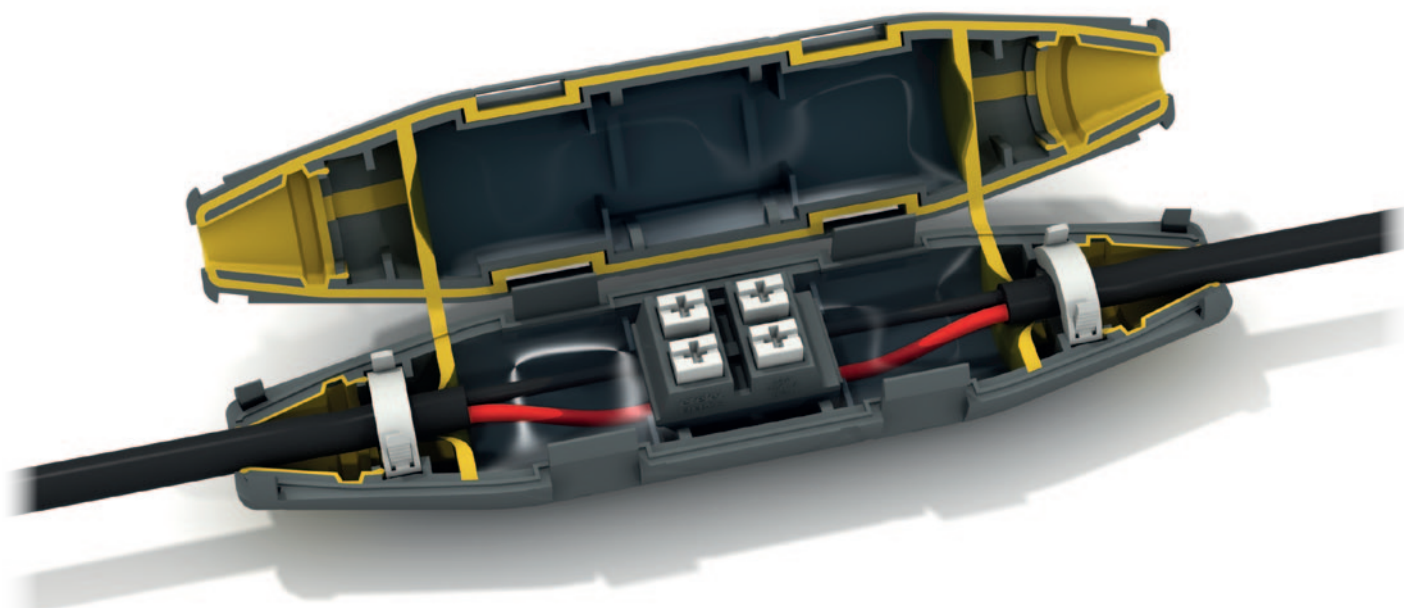
It is classified as a non-hazardous product under European Regulation no. 1272/2008 (CLP).

Secure and protected connections in 3 simple steps



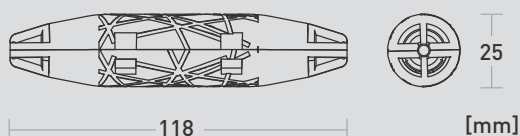
Versatility of use

- Urban and civic lighting, even in contact with water (street lighting systems, road and carriageway signs, gardens, fountains, walkover ground lighting)
- Indoor residential and ambient lighting
- LED lighting systems
- Video-surveillance systems
- Industrial and civil automation (barriers, gates, machine board systems)





- IP68 protection degree
(in accordance with CEI EN 60529 standard)
- Double insulation
- Self-extinguishing
- Compliant with Directive 2011/65/UE (RoHS 2)
- Silicone gel inside the shell classified as a non-hazardous product under European Regulation no. 1272/2008 (CLP)
- 2-pole insulated spring connector
- 3-pole insulated screw-type clamping connector
- Conductor cross-section (rigid and flexible): 0.5–1.5 mm²
- Rated voltage 450 V
- Rated current 24 A



Applications

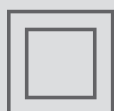
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total
protection



zero
capillarity



double
insulation



versatility
of use



mini size



eco-friendly



Ledjoy



code LDJ01



Watch
the video

IP68 gel insulated junction device

2-pole insulated spring connector
and 3-pole insulated screw-type
clamping connector included

Advantages

- Quick and reliable installation without tools for limited operating space
- Reduced number of parts to be assembled
- No cable gland or components to pull onto the cables
- No rising of moisture along the cable due to capillary action
- Total protection from dust, water, debris, and weathering
- Installation in narrow spaces
- Compact size for installation in cable ducts, corrugated pipes, poles
- Mechanical safety securing the cable in the event of traction or external mechanical stress
- Re-enterable connection
- Versatility of use
- Halogen-free
- Eco-friendly

Kit contents

- Co-moulded rigid polymeric plastic shell with snap-shut closure, integrated gaskets and flexible walls
- 2-pole insulated connector with spring-loaded clamps
- 3-pole insulated screw-type clamping connector with wire-protection sheets
- Cable blocking system

Table of use

item	number of cores	conductor cross-section (mm ²)	rated voltage (V)	rated current (A)
LEDJOY	2 – 3	0.5–1.5	450	24
cable diameter: 5–9 mm				