

# Raychem

## KGEL-JNT

IP68 Rated inline and branch style cable joints suitable to 1KV

*Electrical installers now have the full range of branching capabilities from 2 x 1.5 mm<sup>2</sup> up to 5 x 16 mm<sup>2</sup> with four different joint types only. It is easier than ever to install cable connections for underground, direct buried, and overhead applications.*



### Application:

- Street, garden and pool lighting
- Connection of outdoor equipment like pumps, filters, garage door openers, loudspeakers, door intercom systems, etc.
- Frost protection systems
- Cable trays and cable ducts
- Protection of small electronic boards

### PowerGel sealing gel technology

The KGEL-JNT enclosure, with its revolutionary PowerGel sealing gel, covers and seals the joint quickly and easily, saving both time and effort. PowerGel sealing gel is rated to 90°C continuous temperature and is halogen-free with an unlimited shelf life. The KGEL-JNT joint series is yet another of TE Connectivity's fieldproven PowerGel filled products for the demanding requirements of the electrical power industry.

### Application range:

Four sizes for straight and branch joints are available, ranging from 10 up to 50mm<sup>2</sup> single core- and multi-core cables from 1.5 up to 16mm<sup>2</sup>. For details see Selection Table.

### Features and benefits:

- Quick, easy and clean installation
- Reliable protection against humidity and water
- Suitable for outdoor and direct-buried applications (IP 68)
- Full branch capabilities without cutting of main cables
- Optimized joint design with integrated strain relief
- Easy to install, latchable connector blocks
- Qualified to international joint standard CENELEC EN 50393
- Halogen-free and UV-resistant
- Unlimited shelf life
- Environment-friendly and no subject to labeling requirements

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### Enclosure design

The halogen-free poly-propylene enclosure is designed to house straight and branch connections in one solution only. This helps to minimize the required stock level and serves a wide range of applications. KGEL-JNT joints can be snap-closed by hand due to its flexible wave-like gel barriers. A strain relief is integrated within the enclosure and quickly installed with two cable ties. All joints fulfil the requirement of ingress protection class IP68

### Performance tests

KGEL-JNT joints are qualified to CENELEC EN 50393, the European specification for buried applications. This includes a three week heatcycling test with the joint immersed in one metre depth of water.

### Easy to install

Closing the rugged KGEL-JNT enclosure is literally a snap. Its short length also allows installation in cramped locations. No special tools needed, no rip cords to break, and no trimming, mixing, pouring, or heating required; KGEL-JNT can be put into service immediately.

### Kit content

PowerGel filled enclosure, universal connector block including sliding nut insertion tool and allen key (for KGEL-JNT 2/3 joints), tie wraps for a strain relief of the cables and illustrated installation instructions. All joints are available in one piece packaging.

### Universal connector Block for KGEL-JNT 2/3 joints

With the unique universal connector block installation is very straightforward, as the block snaps into the bottom side of the enclosure. A supplementary tool helps to insert the sliding nuts and holds them in place until the connection is finalised.

### Connector recommendation for KGEL-JNT 0/1 joints

All types which dimensionally fit into the enclosure, such as terminal strips, push-wire connectors, mechanical blocks and C-crimp connectors.

CATALOGUE REFERENCE	APPLICATION RANGE		DIMENSIONS L X W X H	CONNCTOR SIZE MAX. L X W X H
	MAIN CABLE	BRANCH CABLE		
	MM2	MM2		
<b>WITHOUT CONNECTOR</b>				
KGEL-JNT-00	2-3 x 1.5-2.5 (1 x 10-50)	2-3 x 1.5 (1 x 10-16)	100 x 37 x 24	26 x 24 x 16
KGEL-JNT-01	3-5 x 1.5-2.5 (1 x 10-50)	3-5 x 1.5 (1 x 10-16)	139 x 51 x 24	26 x 38 x 16
<b>WITH CONNECTOR</b>				
KGEL-JNT-02	3-5 x 1.5-6	3-5 x 1.5-6	233 x 78 x 40	INCLUDED
KGEL-JNT-03	3-5 x 6-16	3-5 x 6-16	313 x 90 x 47	INCLUDED