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Electronics

**RayGel
PowerGel-filled Cable Joints for
single and multi-core polymeric cables
0.6/1kV**





RayGel PowerGel-filled Cable Joints for single and multi-core polymeric cables 0.6/1kV

Uniquely easy to install, snap-close, clean, cold applied and UV stable PowerGel-filled closures

Excellent cold applied seal

The Raychem RayGel offers a state-of-the-art sealed joint for underground, direct-buried and overhead applications.

PowerGel sealing gel technology

The RayGel closure, 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.

History

The RayGel joint is yet another one of Raychem's field-proven PowerGel filled products for the demanding requirements of the electrical power industry.

Capacity

Four sizes for straight and branch joints are available, ranging for single core cables from 10 up to 50mm² and for 3 to 5-core cables from 1.5 up to 16mm², for details see Selection Table.

Closure material

The poly propylene is halogen-free. A flame retarded version is available on request.

Performance tests

RayGel is qualified to CENELEC HD623, the European specification for buried applications. This includes a three week heat-cycling test with the joint immersed in one metre depth of water. A test report with detailed information is available on request.

Easy to install

Closing the rugged RayGel closure is literally a snap. The short lengths also allow for installations in cramped locations. No special tools needed, no rip cords to break, and no trimming, mixing, pouring, or heating is required. RayGel can immediately be put into service.

Kit content

RayGel closure, core separator (for 4-core RayGel 23 and 24), or connector block (for RayGel 22-M-5 and 24-M-5), tie wrap to avoid unintentional opening and illustrated installation instruction.



Kit content shown is for RayGel-23 and -24



RayGel-22-M-5 including connector block, for 3- to 5-core cables

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Product Size	Application Range Main Cable		Branch Cable (if applicable)		Notes	Closure Dimensions LxWxH max/mm
	min/mm ²	max/mm ²	min/mm ²	max/mm ²		
RayGel-12	1 x 10	1 x 50	1 x 16	1 x 16		86x46x28
RayGel-23	4 x 1.5	4 x 6	4 x 1.5	4 x 1.5		145x51x30
RayGel-24	4 x 6	4 x 16	4 x 2.5	4 x 2.5		178x70x41
RayGel-23-M	4 x 1.5	4 x 6			incl. mechanical connectors	145x51x30
RayGel 24-M	4 x 6	4 x 16			incl. mechanical connectors	178x70x41
RayGel-22-M-5	3-5 x 1.5	3-5 x 6			incl. mechanical connector block	145x56x36
RayGel 24-M-5	3-5 x 6	3-5 x 10 (16*)			incl. mechanical connector block	178x70x41
	3-5 x 2.5*	3-5 x 6*	3-5 x 1.5*	3-5 x 2.5*		

*circular solid conductors only

RayGel CG

Cable Gland set (supplementary kit) providing code IP68 protection for PowerGel-filled Straight Joints for polymeric cables 0.6/1kV

To qualify for IP68, electrical devices, to which straight joints belong, have to be protected for safety reasons from outside influences such as dust, foreign objects, direct contact, moisture and water.

With the Cable Gland set, all RayGel straight joints, fully qualify to code IP68.

Cable Gland set	Application Range / Cable Diameter	
	min/mm	max/mm
RayGel-12/23-CG	6	10
RayGel-22-CG	7	13
RayGel-24-CG	9	17

Cable Gland set content

- 2 cable glands according to DIN EN 50262, PA, halogen-free, light grey
- 2 inserts for the cable glands, PP, halogen-free, black
- 2 hexagon nuts (locknut), tin plated brass
- Installation Instruction



Installed Cable Gland set

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Connector recommendations

All types which dimensionally fit into the closure, such as crimp ferrules, C-crimp, mechanical block and mechanical round types.



Maximum dimensions for straight connectors or connectors with a round shape

Product Size	Diameter max/mm	Length max/mm
RayGel 12	10	25
RayGel 23	8	32
RayGel 24	14	40

Maximum dimensions for branch connectors or connectors with a more rectangular shape

Product Size	Length max/mm	Width max/mm	Height max/mm
RayGel 12	21	24	15
RayGel 23	12.5	8	12.5
RayGel 24	20	12.5	20



Tyco Electronics Raychem GmbH
Finsinger Feld 1, 85521 Ottobrunn/Munich, Germany
Phone: +49-89-6089-0, Fax: +49-89-6096345
<http://energy.tycoelectronics.com>

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