

F40658-000 ✓ ACTIVE

RAYCHEM | RAYCHEM GelCap

TE Internal #: F40658-000

Insulation Piercing Connectors, Americas, Cold-Applied, GelCap SL, Conductor Range (Tap) 14 – 6 AWG, Conductor Range (Tap) 2 – 10 mm², RAYCHEM GelCap

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Energy & Power > Power Systems Connectors > Insulation Piercing Connectors



Product Availability: **Americas**

Street Lighting Connector Technology: **Cold-Applied**

Lighting Connector Type: **GelCap SL**

Conductor Range (Main): **2 – 70 mm²**

Features

Product Type Features

Component Design	PowerGel Sealing Gel
Street Lighting Connector Technology	Cold-Applied
Lighting Connector Type	GelCap SL
Adhesive Coating	Silicone Gel

Body Features

Flexibility	Semi-Flexible
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Mechanical Attachment

Torque (Main) (Recommended)	120 – 180 in-lbs
Torque (Tap) (Recommended)	120 – 150 in-lbs
Mechanical Reinforcement	Molded Cap Clamp

Dimensions

Conductor Range (Main)	2 – 70 mm ²
Conductor Range (Tap)	2 – 10 mm ²
Product Length	71 mm[2.8 in]

Usage Conditions

Environmental Resistance	ASTM D1149, 168 Hours @40°C, 50 ppm
Operating Temperature Range	-40 – 105 °C

Operation/Application



Mechanical Resistance	Abrasion Resistant (2040 gm wt, 4000 cycles, 5% max thickness loss), Against Mechanical Impact or Damage
UV-Stabilized	ASTM G53, UVB, 4000 hours, 4 hour on/off cycle

Industry Standards

Compatible With Agency/Standards Products	UL
Compatible With Approved Standards Products	ANSI C119.1

Product Availability

Product Availability	Americas
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Packaging Features

Packaging Method	Polybag in Master Carton
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUN 2016 (169) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the



product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts



TE Part # 292284-000
GELCAP-4(B5)



TE Part # 632692-000
GELCAP-3(B5)



TE Part # 986734-000
GELCAP-2(B5)



TE Part # 566376-000
GELCAP-1(B5)



TE Part # CP1967-000
GELCAP-SL-2/0-3HOLE-B100

Also in the Series | RAYCHEM GelCap



Insulation Piercing Connectors(2)



Joints & Splices(4)

Customers Also Bought



TE Part # ER0020-000
CC50-75-SN

Documents

[Datasheets & Catalog Pages](#)



GELCAP-SL-STUB-CONNECTION-CABLE-ACCESSORIES

English