

1SET311616R0000 ✓ ACTIVE

ENTRELEC | M8 Connector

TE Internal #: 1SET311616R0000

M8 to M12 Cable Assembly, 3 Position, 5 m, Sensor/Actuator, Code A, M8 Plug, M12 Socket, Double Ended, GF Nylon

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Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies



M8/M12 Application Type: **Sensor/Actuator**

Number of Positions: **3**

Keying Code: **A**

Connector Type (End A): **M8 Plug**

Connector Type (End B): **M12 Socket**

Features

Product Type Features

LED	Without
Product Type	Cable Assembly
Cable Type	PUR
Assembly Type	Pigtail
Connector Type (End A)	M8 Plug
Connector Type (End B)	M12 Socket
Cable Assembly Type	M8 to M12

Configuration Features

Number of Positions	3
Keying Code	A

Electrical Characteristics

Operating Voltage	60 VDC
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Body Features

Environmental Protection	With
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Conductor Material	Copper Alloy
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Connector Color	Blue
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Wire Color	Brown, Blue, Black
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Cable Jacket Color	Gray
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Insulation Material	PUR
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Contact Features

Contact Current Rating	3 A
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Mechanical Attachment

Screw & Hole Thread Size	M8 x M12
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Connector Orientation (End A)	Straight
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Connector Orientation (End B)	Right Angle
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Housing Features

Housing Material	GF Nylon
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Dimensions

Overall Outside Cable Diameter	4.5 mm
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Wire Size	.25 mm ²
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Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]
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Operation/Application

M8/M12 Application Type	Sensor/Actuator
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Shielded	No
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Packaging Features

Packaging Method	Box
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Other

Field Serviceable	Yes
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Cable Assembly Length	5 m
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Cable Assembly Configuration	Double Ended
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Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

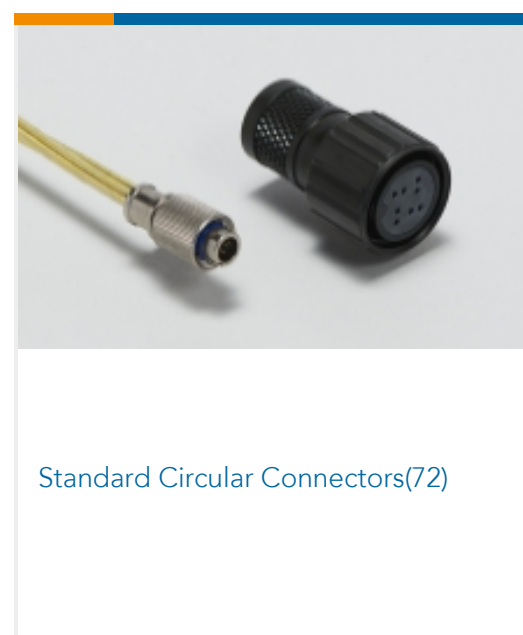
Product Compliance Disclaimer

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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



Also in the Series | M8 Connector



Documents

Product Drawings
M8-MS-3P-M12-FR-PUR-5.0



English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1SET311616R0000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET311616R0000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET311616R0000_A.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Infographic - entrelec ews-linecard](#)

English

[Catalog - ENTRELEC-M8-M12-RJ45](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English