

1SET315271R0000 ✓ ACTIVE



ENTRELEC | M12 Connector

TE Internal #: 1SET315271R0000

M12 Cable Assembly, 2 Position, 1 m, Industrial Fieldbus, PROFIBUS, Code B, M12 Plug, M12 Socket, Shielded, Double Ended, PA66+25GF

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



M8/M12 Application Type: **Industrial Fieldbus**

Industrial Protocols: **PROFIBUS**

Number of Positions: **2**

Keying Code: **B**

Connector Type (End A): **M12 Plug**

Features

Product Type Features

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

Configuration Features

Number of Positions	2
Keying Code	B

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Environmental Protection	IP67
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Conductor Material	Copper Alloy
Connector Color	Black
Cable Jacket Color	Violet

Contact Features

Contact Current Rating	4 A
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Mechanical Attachment

Connector Orientation (End A)	Right Angle
Connector Orientation (End B)	Straight

Housing Features

Housing Material	PA66+25GF
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Dimensions

Overall Outside Cable Diameter	7.8 mm
Wire Size	24 AWG

Operation/Application

M8/M12 Application Type	Industrial Fieldbus
Shielded	Yes

Industry Standards

Industrial Protocols	PROFIBUS
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Packaging Features

Packaging Method	Bag
Packaging Quantity	5

Other

Cable Assembly Length	1 m
Cable Assembly Configuration	Double Ended

Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
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

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not reviewed for solder process capability

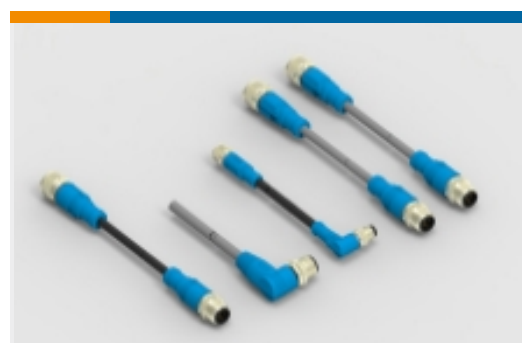
Product Compliance Disclaimer

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 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



Also in the Series | M12 Connector



M8/M12 Cable Assemblies(230)



Standard Circular Connectors(519)

Documents

Product Drawings
M12B2-MR-FS-PUR-1.0M



English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1SET315271R0000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET315271R0000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET315271R0000_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Infographic - entrelec ews-linecard](#)

English

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

English

Product Specifications

[Application Specification](#)

English