

# 1SET315185R0000

ENTRELEC | M12 Connector

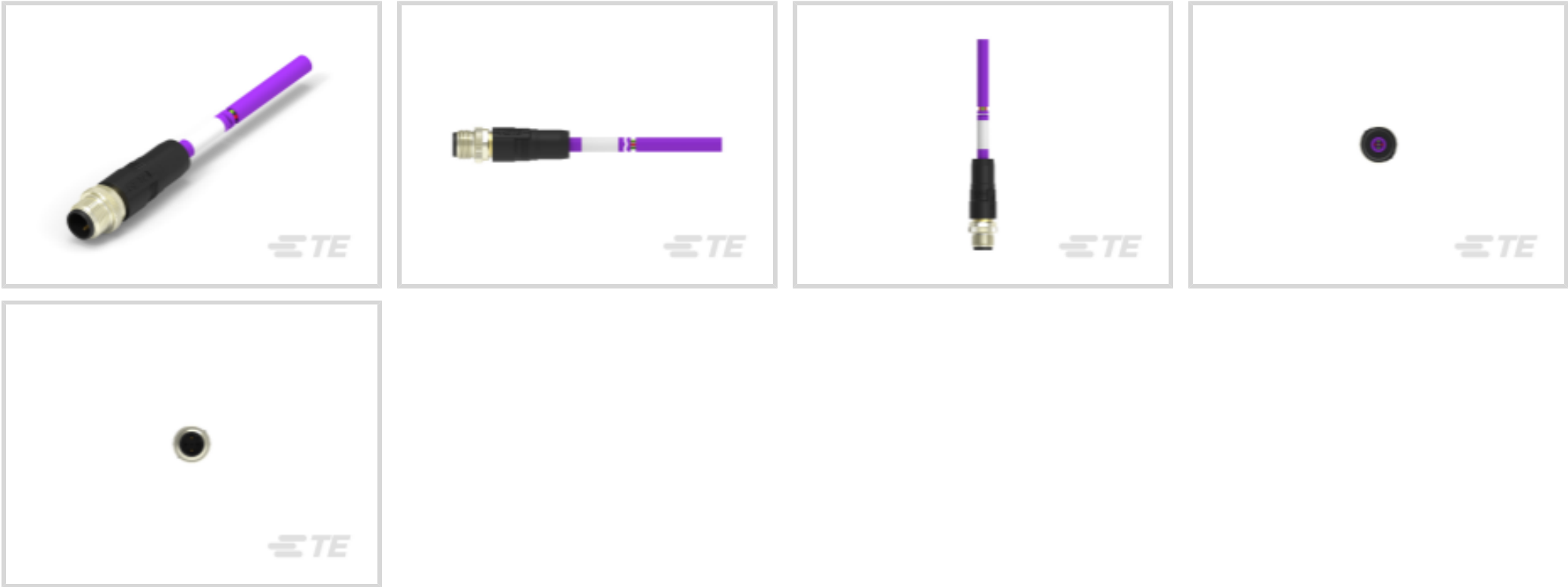
TE Internal #: 1SET315185R0000

TE Internal Description: M12B2-MS-PUR TORSION-2.0M

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



Cable Assembly Length: 2 m [ 6.5 ft ]  
M8/M12 Application Type: Industrial Fieldbus  
Industrial Protocols: PROFIBUS  
Number of Positions: 2  
Connector & Keying Code: B

## Features

### Product Type Features

Cable Assembly Type	M12 Pigtail
Cable Assembly (End A)	M12 Plug

### Configuration Features

Number of Positions	2
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### Electrical Characteristics

Operating Voltage	250 VDC
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### Body Features

Jacket Material	PUR
Connector Color (End A)	Black
Conductor Material	Copper Alloy
Cable Color	Violet
Connector & Keying Code	B

### Contact Features

Contact Current Rating (Max)	4 A
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### Mechanical Attachment



Connector Orientation (End A)	Straight
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Housing Features

Housing Material	PA66+25GF
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Dimensions

Outside Cable Diameter	8 mm
Wire Size	22 AWG

Operation/Application

M8/M12 Application Type	Industrial Fieldbus
Shielded	Yes

Industry Standards

IP Rating	IP67
Industrial Protocols	PROFIBUS

Packaging Features

Packaging Method	Bag
Packaging Quantity	5

Other

Cable Assembly Length	2 m[6.5 ft]
Cable Assembly Configuration	Single 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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Pb (1.9% in 2505725083) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Low Halogen - Br, Cl, F < 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 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

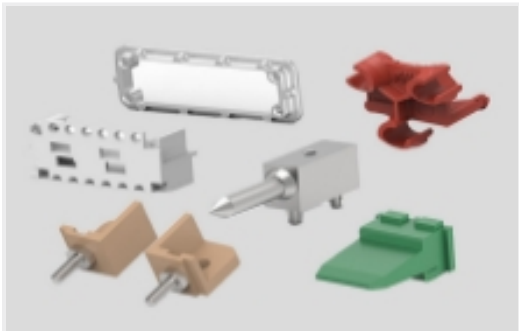


TE Part # 1SET315217R0000  
M12B2-FS-PUR TORSION-2.0M




TE Part # 1SET315265R0000  
M12B2-MS-FR-PUR TORSION-2.0M


Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



Standard Circular Connectors(704)

Documents

Product Drawings  
M12B2-MS-PUR TORSION-2.0M

English

- CAD Files
- 3D PDF
- 3D
- Customer View Model



[ENG\\_CVM\\_CVM\\_1SET315185R0000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315185R0000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315185R0000\\_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