

# 1SET315185R0000

ENTRELEC | M12 Connector

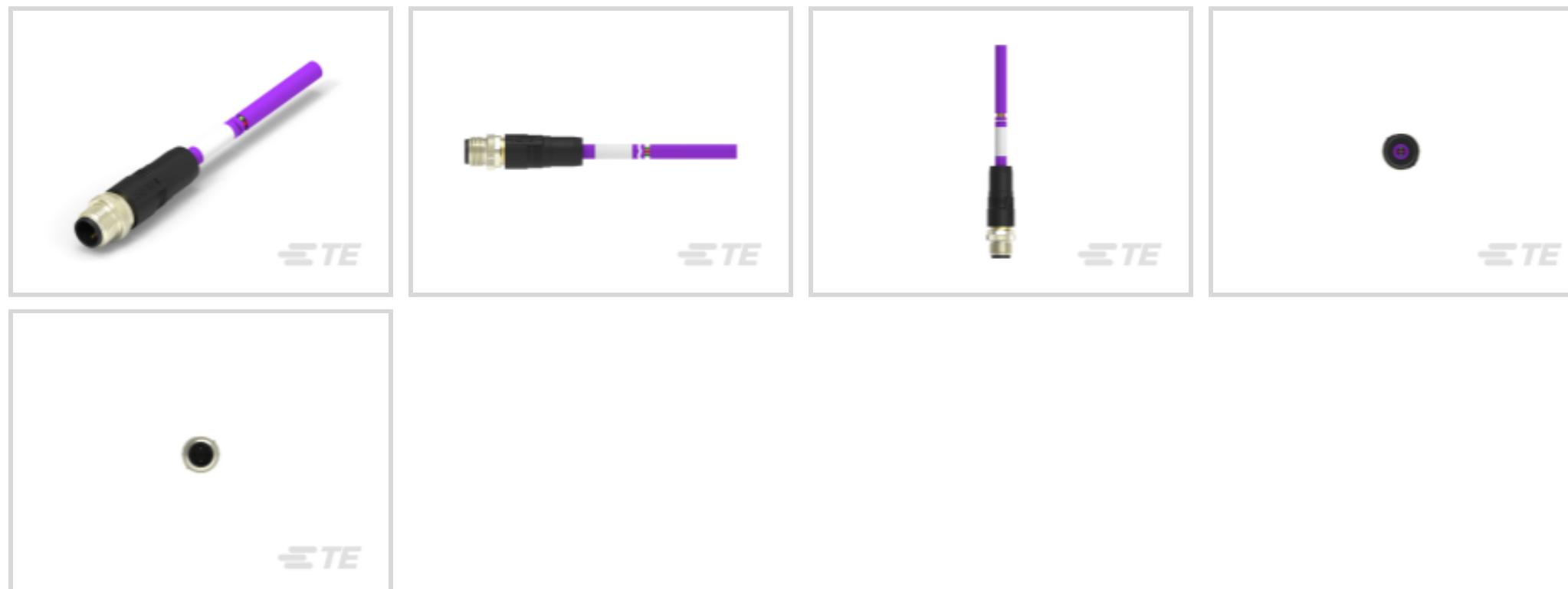
TE Internal #: 1SET315185R0000

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

[View on TE.com >](#)



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

**Housing Features**

Housing Material

PA66+25GF

**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](http://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)

Article Safe Usage Statements:  
 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 &lt; 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



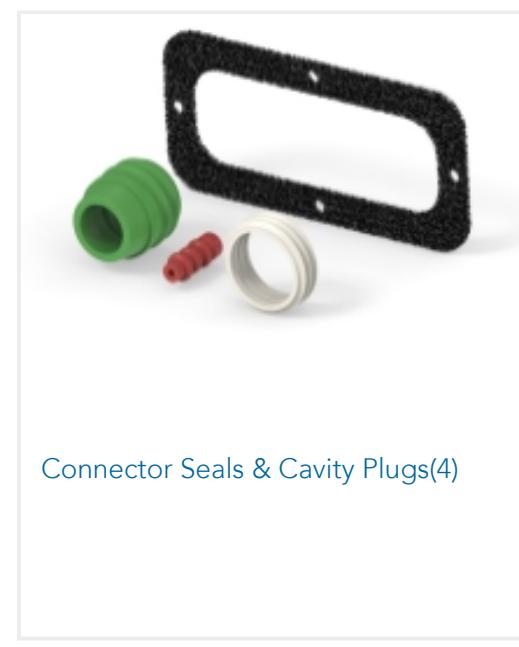
TE Part # 1SET315217R0000  
M12B2-FS-PUR TORSION-2.0M



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