

1SET315282R0000 ✓ ACTIVE

ENTRELEC | M12 Connector

TE Internal #: 1SET315282R0000

M12 Cable Assembly, 2 Position, 4 m, Industrial Fieldbus, PROFIBUS, Code B, M12 Plug, M12 Socket, Shielded, Double Ended, PA66+25GF

[View on TE.com >](#)



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 |
|-------------------|---------|

### Body Features

|                          |      |
|--------------------------|------|
| Environmental Protection | IP67 |
|--------------------------|------|



|                    |              |
|--------------------|--------------|
| Conductor Material | Copper Alloy |
| Connector Color    | Black        |
| Cable Jacket Color | Violet       |

#### Contact Features

|                        |     |
|------------------------|-----|
| Contact Current Rating | 4 A |
|------------------------|-----|

#### Mechanical Attachment

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

#### Housing Features

|                  |           |
|------------------|-----------|
| Housing Material | PA66+25GF |
|------------------|-----------|

#### Dimensions

|                                |        |
|--------------------------------|--------|
| Overall Outside Cable Diameter | 8 mm   |
| Wire Size                      | 22 AWG |

#### Operation/Application

|                         |                     |
|-------------------------|---------------------|
| M8/M12 Application Type | Industrial Fieldbus |
| Shielded                | Yes                 |

#### Industry Standards

|                      |          |
|----------------------|----------|
| Industrial Protocols | PROFIBUS |
|----------------------|----------|

#### Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Method   | Bag |
| Packaging Quantity | 5   |

#### Other

|                              |              |
|------------------------------|--------------|
| Cable Assembly Length        | 4 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) |



Candidate List Declared Against: JUNE 2022 (224)  
 SVHC > Threshold:  
 Pb (1.9% in Component Part)

**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, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability  
 Not reviewed for solder process capability

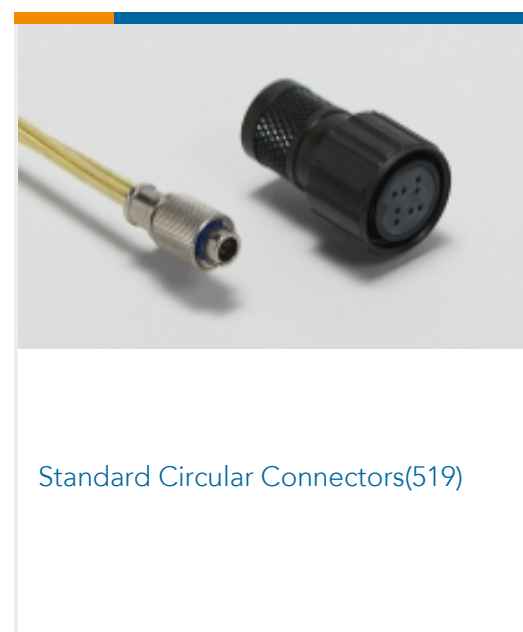
Product Compliance Disclaimer

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 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 | M12 Connector



## Documents



## Product Drawings

[M12B2-MR-FS-PUR TORSION-4.0M](#)

English

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## CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315282R0000\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315282R0000\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315282R0000\\_A.3d\\_stp.zip](#)

English

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

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## Datasheets & Catalog Pages

[Infographic - entrelec ews-linecard](#)

English

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

English

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## Product Specifications

[Application Specification](#)

English