

1SET315148R0000 ✓ ACTIVE



ENTRELEC | M12 Connector

TE Internal #: 1SET315148R0000

M12 Cable Assembly, 5 Position, 1 m, Industrial Fieldbus, DeviceNet, Code A, 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: **DeviceNet**

Number of Positions: **5**

Keying Code: **A**

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 | 5 |
| Keying Code         | A |

### Electrical Characteristics

|                   |        |
|-------------------|--------|
| Operating Voltage | 60 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) | Straight    |
| Connector Orientation (End B) | Right Angle |

#### Housing Features

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

#### Dimensions

|                                |             |
|--------------------------------|-------------|
| Overall Outside Cable Diameter | 6.9 mm      |
| Wire Size                      | 22 – 24 AWG |

#### Operation/Application

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

#### Industry Standards

|                      |           |
|----------------------|-----------|
| Industrial Protocols | DeviceNet |
|----------------------|-----------|

#### 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

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not reviewed for solder process capability

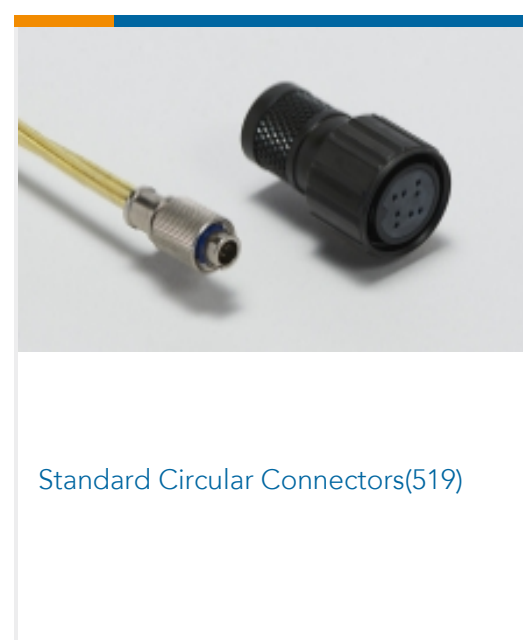
Product Compliance Disclaimer

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 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



## Documents

**Product Drawings**  
M12A5-MS-FR-PUR-1.0M  
English



### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315148R0000\\_A.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315148R0000\\_A.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_1SET315148R0000\\_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