

1SET313178R0000 ✓ ACTIVE

ENTRELEC | M12 Connector

TE Internal #: 1SET313178R0000

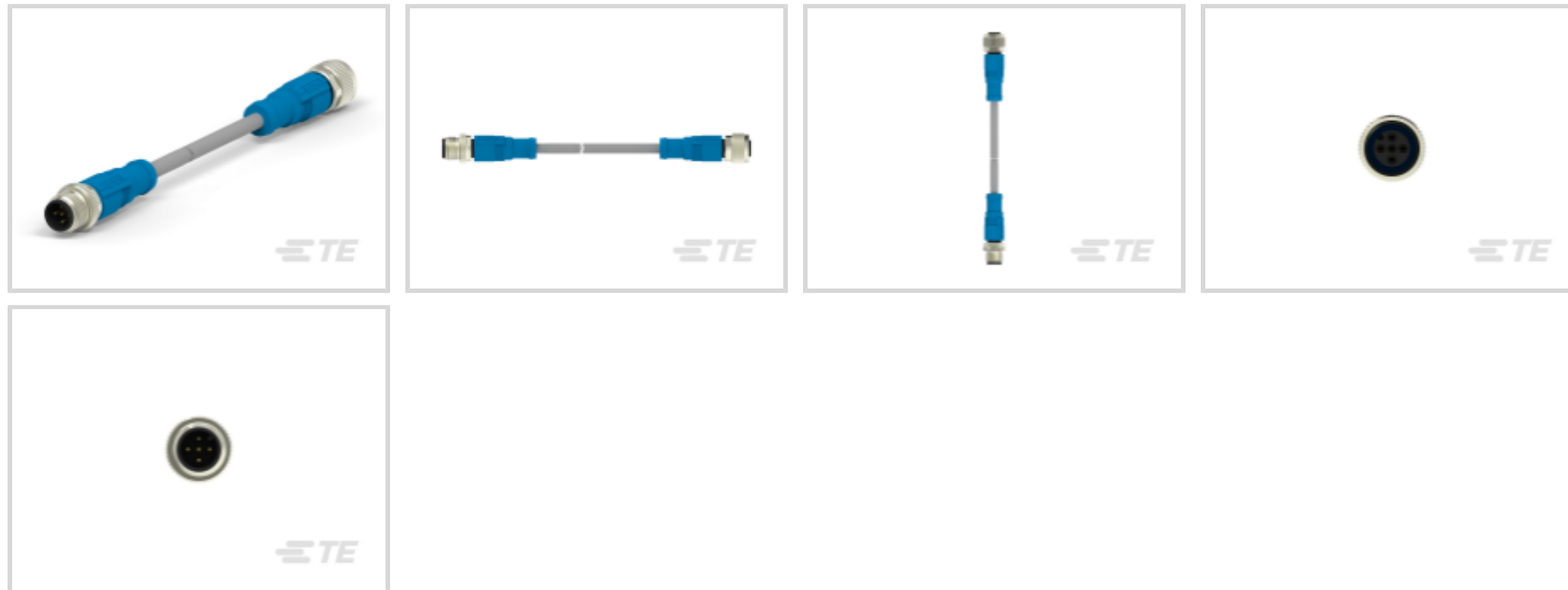
M12 Cable Assembly, 5 Position, 3 m, Sensor/Actuator, Code A,

M12 Plug, M12 Socket, Double Ended, GF Nylon

[View on TE.com >](#)



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



M8/M12 Application Type: **Sensor/Actuator**

Number of Positions: **5**

Keying Code: **A**

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

Connector Type (End B): **M12 Socket**

Features

Product Type Features

LED	Without
Product Type	Cable Assembly
Cable Type	PUR
Assembly Type	Pigtail
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

Cable Exit Angle	Straight
------------------	----------

Environmental Protection	With
Conductor Material	Copper Alloy
Connector Color	Blue
Wire Color	Brown, White, Blue, Black, Gray
Cable Jacket Color	Gray
Insulation Material	PVC

Contact Features

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

Mechanical Attachment

Screw & Hole Thread Size	M12 x M12
Connector Orientation (End A)	Straight
Connector Orientation (End B)	Straight

Housing Features

Housing Material	GF Nylon
------------------	----------

Dimensions

Overall Outside Cable Diameter	5 mm
Wire Size	.34 mm ²

Operation/Application

M8/M12 Application Type	Sensor/Actuator
Shielded	No

Packaging Features

Packaging Method	Box
------------------	-----

Other

Field Serviceable	Yes
Cable Assembly Length	3 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

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

Solder Process Capability

Not reviewed for solder process capability

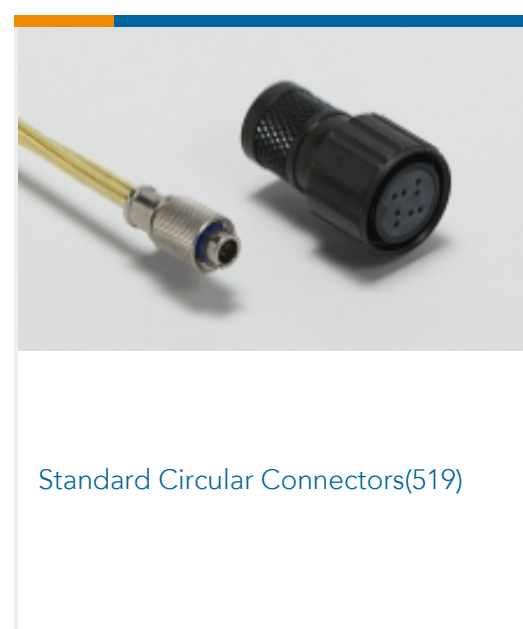
Product Compliance Disclaimer

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 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

M12-MS-5P-M12-FS-PUR-3.0

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1SET313178R0000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET313178R0000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET313178R0000_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