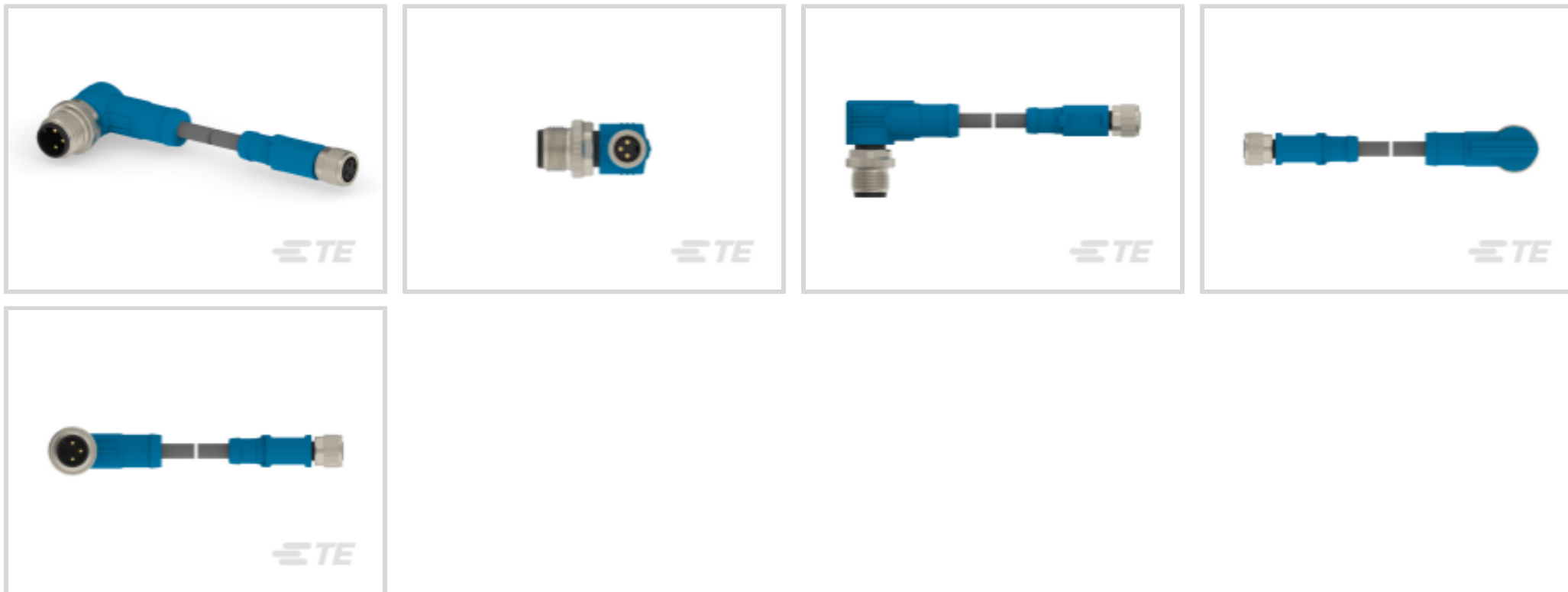# 1SET311784R0000 ✔ ACTIVE

ENTRELEC | M8 Connector

TE Internal #: 1SET311784R0000

M8 to M12 Cable Assembly, 3 Position, 5 m, Sensor/Actuator, Code A, M8 Socket, M12 Plug, 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: **3**

Keying Code: **A**

Connector Type (End A): **M8 Socket**

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

Features

Product Type Features

LED	Without
Product Type	Cable Assembly
Cable Type	PUR
Assembly Type	Pigtail
Connector Type (End A)	M8 Socket
Connector Type (End B)	M12 Plug
Cable Assembly Type	M8 to M12

Configuration Features

Number of Positions	3
Keying Code	A

Electrical Characteristics

Operating Voltage	60 VDC

Body Features

Environmental Protection	With

Conductor Material	Copper Alloy
Connector Color	Blue
Wire Color	Brown, Blue, Black
Cable Jacket Color	Gray
Insulation Material	PUR

Contact Features

Contact Current Rating	3 A

Mechanical Attachment

Screw & Hole Thread Size	M8 x M12
Connector Orientation (End A)	Straight
Connector Orientation (End B)	Right Angle

Housing Features

Housing Material	GF Nylon

Dimensions

Overall Outside Cable Diameter	4.5 mm
Wire Size	.25 mm²

Usage Conditions

Operating Temperature Range	-25 – 85 °C[-13 – 185 °F]

Operation/Application

M8/M12 Application Type	Sensor/Actuator
Shielded	No

Packaging Features

Packaging Method	Box

Other

Field Serviceable	Yes
Cable Assembly Length	5 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

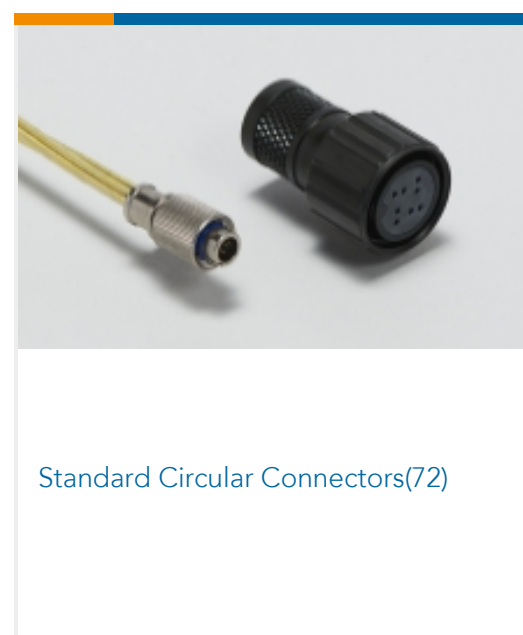| China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process 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 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 # 1SET311728R0000
M8-MR-3P-M12-FR-PUR-5.0

Also in the Series | M8 Connector

M8/M12 Cable Assemblies(135)

Standard Circular Connectors(72)

Documents

Product Drawings

M8-FS-3P-M12-MR-PUR-5.0

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1SET311784R0000_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1SET311784R0000_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1SET311784R0000_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

Application Specification

English