

1SET315359R0000

ENTRELEC | M12 Connector

TE Internal #: 1SET315359R0000

TE Internal Description: M12D4-MS-MS-PVC TYPE B-1.0M

[View on TE.com >](#)



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



Cable Assembly Length: 1 m [3.2 ft]

M8/M12 Application Type: Industrial Ethernet

Industrial Protocols: PROFINET

Number of Positions: 4

Connector & Keying Code: D

Features

Product Type Features

Cable Assembly Type	M12 Pigtail
Cable Assembly (End A)	M12 Plug

Configuration Features

Number of Strands	7
Number of Positions	4

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Jacket Material	PVC
Connector Color (End A)	Black
Conductor Material	Tinned Copper
Cable Color	Green
Wire Color (Base)	Yellow-Orange-White-Blue
Connector & Keying Code	D

Contact Features

Contact Current Rating (Max)

4 A

Mechanical Attachment

Connector Orientation (End A)

Straight

Connector Orientation (End B)

Straight

Housing Features

Housing Material

PA66+25GF

Dimensions

Outside Cable Diameter

6.5 mm

Wire Size

22 AWG

Operation/Application

M8/M12 Application Type

Industrial Ethernet

Shielded

Yes

Industry Standards

IP Rating

IP67

Industrial Protocols

PROFINET

Packaging Features

Packaging Method

Bag

Packaging Quantity

5

Other

Cable Assembly Length

1 m[3.2 ft]

Cable Assembly Configuration

Double Ended

Product ComplianceFor 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

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:
 TBPH (5% in M-41591-5)

Pb (1.9% in 2505725083)

Article Safe Usage Statements:

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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 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

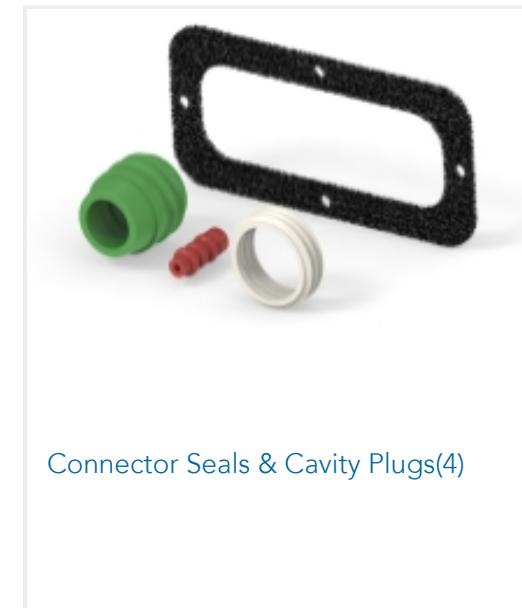


TE Part # 1SET315287R0000
M12D4-MS-PVC TYPE B-1.0M

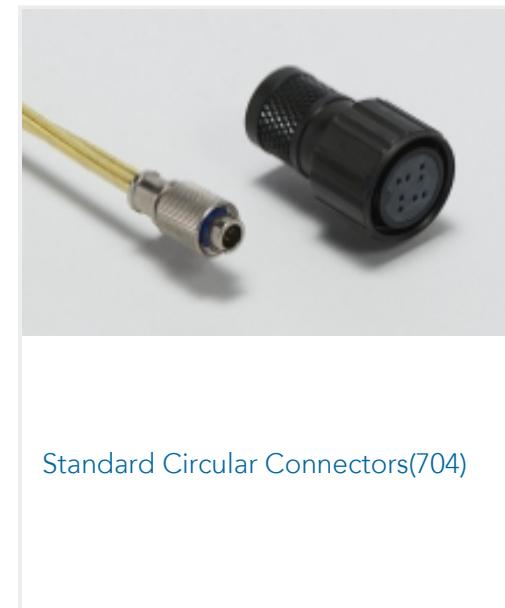
Also in the Series | M12 Connector



Connector Hardware(11)



Connector Seals & Cavity Plugs(4)



Standard Circular Connectors(704)

Documents

Product Drawings

M12D4-MS-MS-PVC TYPE B-1.0M

English

CAD Files[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1SET315359R0000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET315359R0000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET315359R0000_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