

# TAD14745101-002 ✓ ACTIVE

TE Internal #: TAD14745101-002

M12 Cable Assembly, 4 Position, 1 m, Industrial Ethernet,  
PROFINET, Code D, M12 Plug, M12 Plug, Shielded, Double Ended,  
PA66+25GF

[View on TE.com >](#)

Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies > Ethernet, Profinet M12-D 4pos PUR DE

M8/M12 Application Type: **Industrial Ethernet**

Industrial Protocols: **PROFINET**

Number of Positions: **4**

Keying Code: **D**

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

[All Ethernet, Profinet M12-D 4pos PUR DE \(18\)](#)

## 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 Plug
Cable Assembly Type	M12

### Configuration Features

Number of Strands	19
Number of Positions	4
Keying Code	D

### Electrical Characteristics

Operating Voltage	250 VDC
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### Body Features

Environmental Protection	IP67
Conductor Material	Tinned Copper
Connector Color	Black
Wire Color	Yellow-Orange-White-Blue
Cable Jacket Color	Green

**Contact Features**

Contact Current Rating	4 A
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**Mechanical Attachment**

Connector Orientation (End A)	Straight
Connector Orientation (End B)	Straight

**Housing Features**

Housing Material	PA66+25GF
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**Dimensions**

Overall Outside Cable Diameter	6.65 mm
Wire Size	22 AWG

**Operation/Application**

M8/M12 Application Type	Industrial Ethernet
Shielded	Yes

**Industry Standards**

Industrial Protocols	PROFINET
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**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: JAN 2023 (233) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Pb (1.9% in Component) <small>Article Safe Usage Statements:</small>

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 applicable 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 # T4143512041-000  
M12,FRONT MOUNTING,FEMALE,D  
CODE,4P

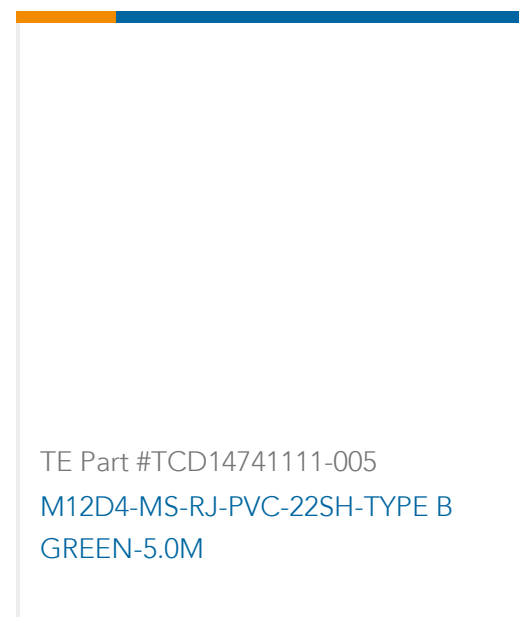
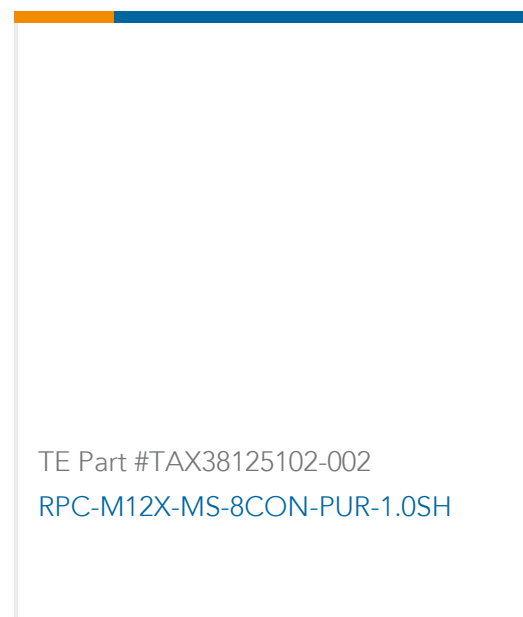
## Customers Also Bought

TE Part #T4111001031-000  
M12 Field Installable Unshielded

TE Part #T41111512041-000  
M12 M, 4P GOLD D\_CODE S  
SHIELDED PG9

TE Part #2823064-1  
M12-DUST CAP-FEMALE CONN-IP67-  
W/O SLEEVE

TE Part #2329362-1  
PB OFF/ON RC BLK M1 TERM IP68  
500MM LHS



## Documents

### Product Drawings

[M12D4-MS-MS-PUR TYPE C GREEN-1.0M](#)

English

### CAD Files

[3D PDF](#)

3D

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_TAD14745101-002\\_A.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_TAD14745101-002\\_A.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_TAD14745101-002\\_A.3d\\_stp.zip](#)

English

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

### Datasheets & Catalog Pages

[M8 / M12 Connector System Catalog](#)

English

[M8/M12 Cable Assemblies Brochure](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English