

TAD14745101-020 ✓ ACTIVE

TE Internal #: TAD14745101-020

M12 Cable Assembly, 4 Position, 2 m, Industrial Ethernet,
PROFINET, Code D, M12 Plug, M12 Plug, Shielded, Double Ended,
PA66+25GF

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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 |
|-------------------|---------|

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 |
|------------------------|-----|

Mechanical Attachment

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

Housing Features

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

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 |
|----------------------|----------|

Packaging Features

| | |
|--------------------|-----|
| Packaging Method | Bag |
| Packaging Quantity | 5 |

Other

| | |
|------------------------------|--------------|
| Cable Assembly Length | 2 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 #1658640-1
HDP-20,RCPT,SIZE 5, 50 POSN

TE Part #TAD14741111-002
Ethernet, Profinet M12 D-Code 4p
PVC DE

TE Part #TAD14747101-002
M12D4-MS-MS-FRNC TYPE B GREEN-
1.0M

TE Part #T4111012051-000
M12 M, 5P GOLD A_CODE S
SHIELDED PG9



Documents

Product Drawings

[M12D4-MS-MS-PUR TYPE C GREEN-2.0M](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_TAD14745101-020_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_TAD14745101-020_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_TAD14745101-020_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

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Product Environmental Compliance

Product Compliance

English

Product Compliance

English