

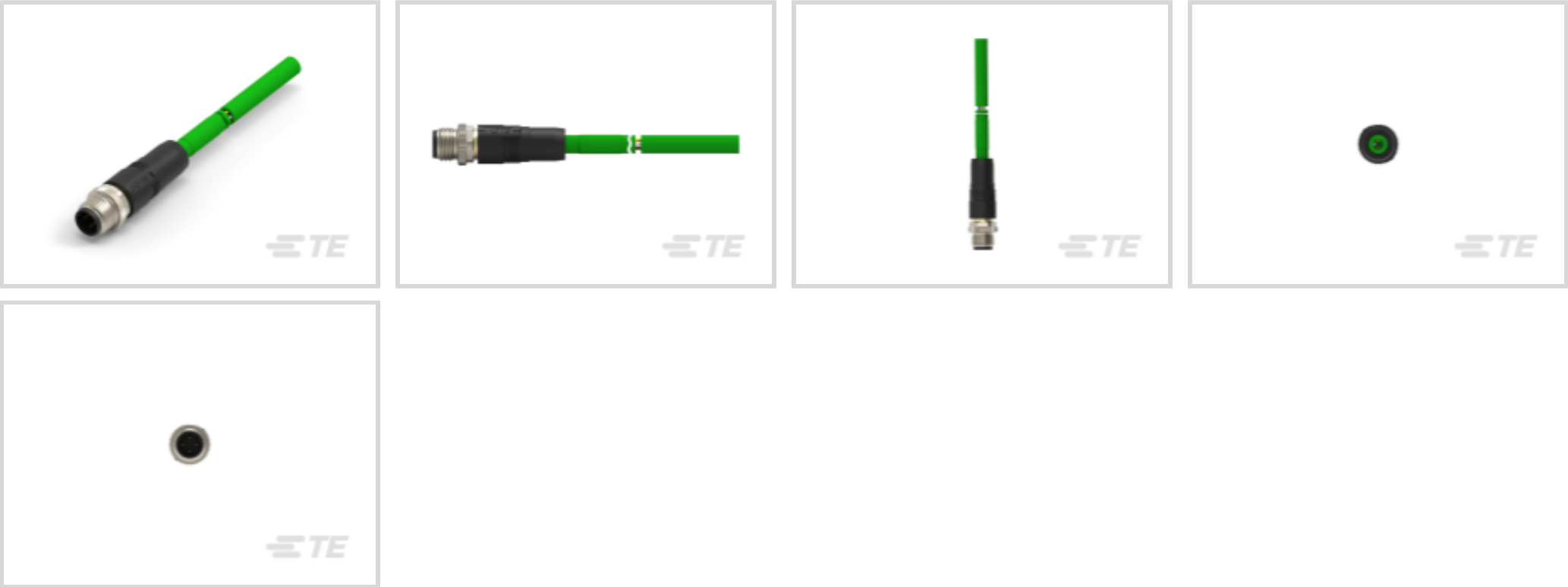


TE Internal #: TAD14147101-002

M12 Pigtail Cable Assembly, 4 Position, Cable Assembly Length 1 m [3.2 ft], Industrial Ethernet, PROFINET, D Code, M12 Plug End A, Shielded

[View on TE.com >](#)

Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies > Ethernet, Profinet M12 D-Code 4pos FRNC



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

[All Ethernet, Profinet M12 D-Code 4pos FRNC \(14\)](#)

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

Body Features

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

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 | Single 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 | 有害物质含量超出标准<br>Restricted Substance(s) Above Threshold                                                                                            |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Pb (1.9% in 2505725083) |



**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           | Low Halogen - Br, Cl, F < 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 #CAT-C73765-M1E  
M12 Field Installable Unshielded



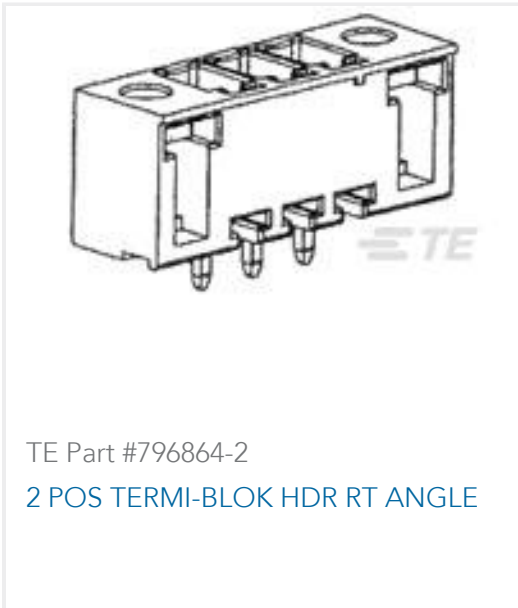
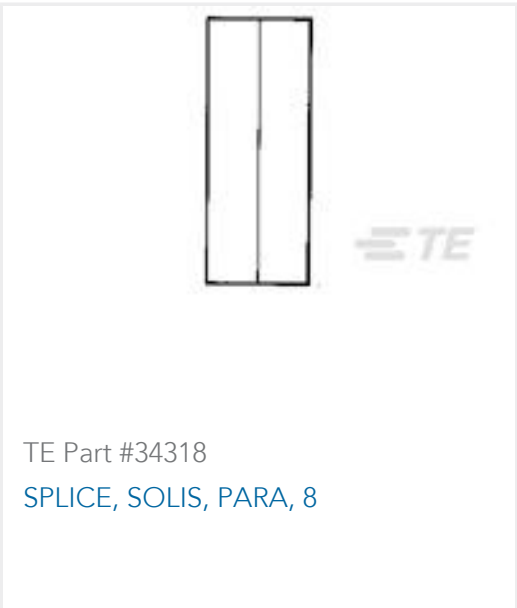
TE Part #T4171110005-001  
M12,REAR MOUNTING,FEMALE,A,5P, 0.2M WIRE



TE Part #T4132012051-000  
M12,FRONT MOUNT,MALE,A,5P, SOLDER WIRE



TE Part #7421224003  
RNF-3000-4.5/1.5-0-SP



Documents

Product Drawings

M12D4-MS-FRNC TYPE B GREEN-1.0M

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_TAD14147101-002\_A.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_TAD14147101-002\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_TAD14147101-002\_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

Japanese

M8 / M12 Connector System Catalog

English

M8/M12 Cable Assemblies Brochure

English

Product Specifications



Application Specification

English

Agency Approvals

UL

English