TAD14845101-020 ✔ ACTIVE

TE Internal #: TAD14845101-020

M12 Cable Assembly, 4 Position, 2 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**

Connector & Keying Code: **D**

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

All Ethernet, Profinet M12-D 4pos PUR DE (18)

Features

Product Type Features

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

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Cable Color	Green
Connector Color (End B)	Black
Connector Color (End A)	Black
Jacket Material	PUR

Wire Color (Base)	Yellow-Orange-White-Blue
Conductor Material	Tinned Copper
Connector & Keying Code	D

Contact Features

Contact Current Rating (Max)	4 A

Mechanical Attachment

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

Housing Features

Housing Material	PA66+25GF

Dimensions

Outside Cable Diameter	6.65 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 Quantity	5
Packaging Method	Bag

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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Pb (1.9% in Component Part) **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, 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

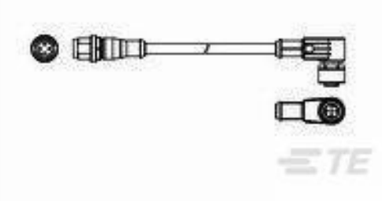
Customers Also Bought



TE Part #T4131512041-000
M12,REAR MOUNT,FEMALE,D,4P, SOLDER WIRE



TE Part #WM-2P
WEDGE LOCK, 2P, REC, ORG, DTM



TE Part #1-2273117-2
M12 strgt plug to M12 angled socket AA



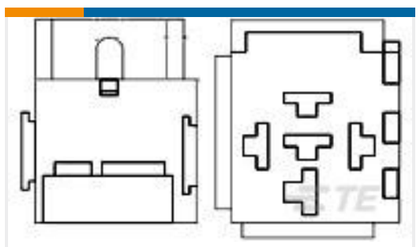
TE Part #TAA754A5501-040
M12A5-FR-PUR-4.0M



TE Part #TAD14241311-005
M12D4-MR-PVC TYPE B RED-5.0M



TE Part #TAD14845101-002
Ethernet, Profinet M12-D 4pos PUR DE



TE Part #4-1419106-0
VCF4-1002=CONNECTOR,HOUSING-



TE Part #DTM06-08SA
PLG, 8P, GRY, N, A



TE Part #2322422-5
M12 D-M-4 CAB ASS. (PLG-PLG) 3.0M CAT5E

Documents

Product Drawings

M12D4-MS-MR-PUR TYPE C GREEN-2.0M

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_TAD14845101-020_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_TAD14845101-020_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_TAD14845101-020_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

Agency Approvals

UL

English