

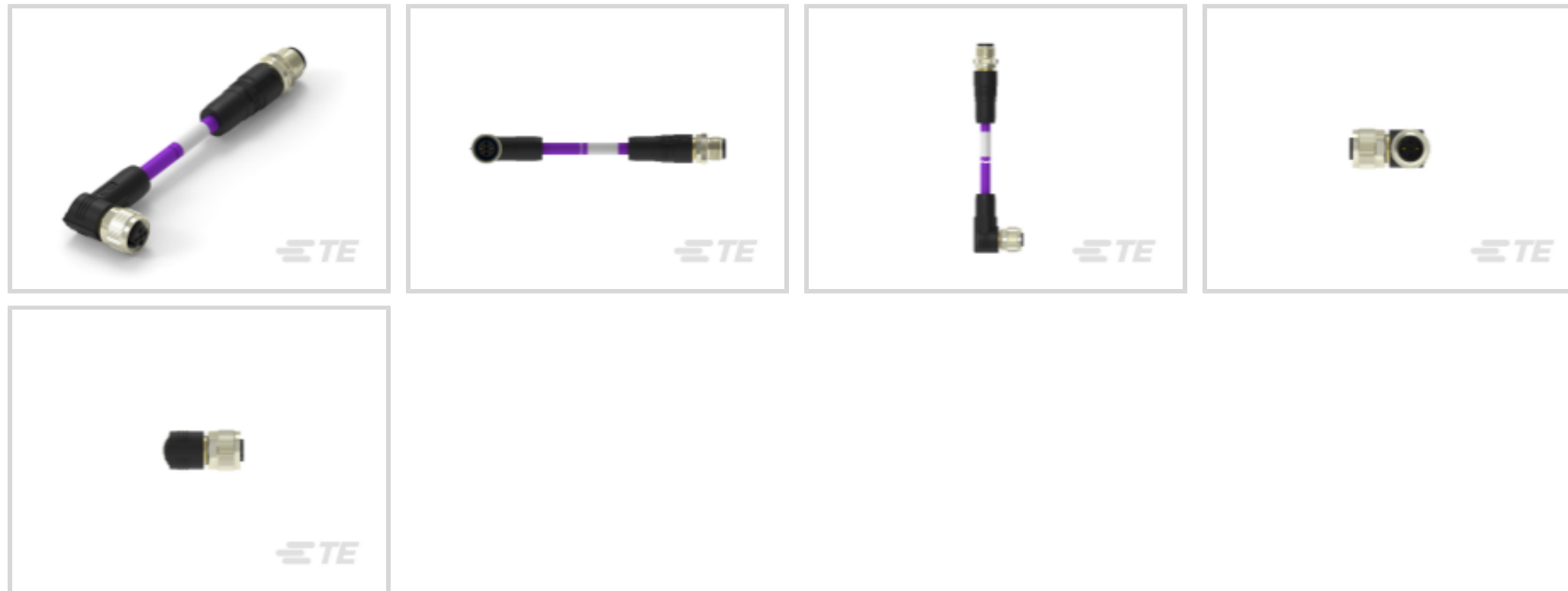
TAB62646501-002 ✓ ACTIVE



TE Internal #: TAB62646501-002
M12 Cable Assembly, 2 Position, 1 m, Industrial Fieldbus,
PROFIBUS, Code B, M12 Plug, M12 Socket, Shielded, Double
Ended, PA66+25GF

[View on TE.com >](#)

Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies > Fieldbus, PROFIBUS M12B2 PUR Torsion DE



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

Industrial Protocols: **PROFIBUS**

Number of Positions: **2**

Connector & Keying Code: **B**

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

[All Fieldbus, PROFIBUS M12B2 PUR Torsion DE \(24\)](#)

Features

Product Type Features

Connector Type (End A)	M12 Plug
Connector Type (End B)	M12 Socket
Cable Assembly Type	M12

Configuration Features

Number of Positions	2
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Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Cable Color	Violet
Connector Color (End B)	Black
Connector Color (End A)	Black
Jacket Material	PUR
Conductor Material	Copper Alloy



Connector & Keying Code	B
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Contact Features

Contact Current Rating (Max)	4 A
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Mechanical Attachment

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

Housing Material	PA66+25GF
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Dimensions

Outside Cable Diameter	8 mm
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Wire Size	22 AWG
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Operation/Application

M8/M12 Application Type	Industrial Fieldbus
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Shielded	Yes
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Industry Standards

IP Rating	IP67
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Industrial Protocols	PROFIBUS
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Packaging Features

Packaging Quantity	5
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Packaging Method	Bag
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Other

Cable Assembly Length	1 m
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Cable Assembly Configuration	Double Ended
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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235)
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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



Customers Also Bought



Documents

Product Drawings

M12B2-MS-FR-PUR TORSION-1.0M

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_TAB62646501-002_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_TAB62646501-002_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_TAB62646501-002_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 Connector System Catalog

Japanese

M8/M12 Cable Assemblies Brochure

English

Product Specifications

English

Product Environmental Compliance

Product Compliance

English

Product Compliance

English