# T41526C9L25-003 <

TE Internal #: T41526C9L25-003 M8/M12 Cable Assemblies, Power, 5 Position, Keying L, Plug /Receptacle, M12 to M12, Straight-Right Angle, Length 1500 mm, Double Ended, Nylon

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Cable Assemblies > Copper Cable Assemblies > M8/M12 Cable Assemblies



M8/M12 Application Type: Power

Number of M8/M12 Cable Assembly Positions: 5

M8/M12 Cable Assembly Keying: L

M8/M12 Cable Assembly Connector Type: Plug/Receptacle

M8/M12 Cable Assembly Type: M12 to M12

#### Features

#### Product Type Features

LED	Without
Product Type	Cable Assembly
Cable Type	PUR
Assembly Type	Overmolded
M8/M12 Cable Assembly Connector Type	Plug/Receptacle
M8/M12 Cable Assembly Type	M12 to M12
M8/M12 Cable Assembly Shielded	No
Configuration Features	
Number of Strands	75
Number of M8/M12 Cable Assembly Positions	5
M8/M12 Cable Assembly Keying	L
M8/M12 Cable Assembly Configuration	Double Ended
Electrical Characteristics	
Operating Voltage	63 VDC

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## **Body Features**

Environmental Procection     IP67       Conductor Material     Copper Alloy       Connector Color     Back       Wire Color     Brown, White, Blue, Black, Gray       Insulation Material     PP       Cable Jacket Color     Gray       Contact Features     Gontact Current Rating       Contact Features     MI2       Scrow & Hole Inread Size     MI2       MW/M12 Cable Assembly Mounting Angle     Streight Right Angle       Houring Features     Viron       Overall Outside Cable Diameter     9.1 mm       Conductor Diameter     9.1 mm       Code Assembly Houring Material     Nylon       Dimensions     User Size       Overall Outside Cable Diameter     9.1 mm       Conductor Diameter     9.1 mm       Code Assembly Lousing Material     Nylon       Wire Size     1.5 mm²       Code Code Cable Diameter     9.1 mm       Vire Size     1.5 mm²       Code Assembly Length     1500 cm       Usege Conditions     Streight Particup       Operating Temperature Range     -95 – 85 °C       Operating Temperature Range     -95 – 85 °C       Operating Temperature Range     Bag       Other     Index Size       Fackaging Method     Bag       Other     Index Size <th></th> <th></th>		
Connector Color     Black       Wire Color     Brown, White, Blue, Black, Grey       Insulation Material     PP       Cable Jacket Color     Gray       Contact Features     Contact Features       Contact Current Rating     12 A       Mechanical Attachment     Straight-Right Angle       Screw & Hole Thread Size     M12       M8/M12 Cable Assembly Mounting Angle     Straight-Right Angle       Housing Features     M12       M8/M12 Cable Assembly Housing Material     Nylon       Dimensions     Overall Outside Cable Diameter       Overall Outside Cable Diameter     9.1 mm       Conductor Diameter     1.5 mm²       Cable Assembly Length     1500 mm       Usage Conditions     Usage Conditions       Operation/Application     Power       Packaging Method     Bag       Other     Fedaging Features	Environmental Protection	IP67
Wire Color     Brown, White, Blue, Black, Gray       Insulation Material     PP       Cable Jacket Color     Gray       Contact Features     Insulation Material       Contact Features     12 A       Mechanical Attachment     Straight Right Angle       Screw & Hole Thread Size     M12       M8/M12 Cable Assembly Mounting Angle     Straight Right Angle       Housing Features     Wion       Wire Size     1.5 mm?       Overall Outside Cable Diameter     9.1 mm       Conductor Diameter     1.5 mm?       Cable Assembly Length     1500 mm       Wire Size     1.5 mm?       Cable Assembly Length     500 mm       Wire Size     1.5 mm?       Cable Assembly Length     1500 mm       Wire Size     1.5 mm?       Cable Assembly Length     1500 mm       Wire Size     1.5 mm?       Cable Assembly Length     1500 mm       Wire Size     1.5 mm?       Cable Assembly Length     1500 mm       Wage Conditions     Power       Preckaging Temperature Range     -25 – 85 °C       Operation/Application     Power       Packaging Method     Bag       Other     Field Serviceable       Field Serviceable     No	Conductor Material	Copper Alloy
Insulation Material         PP           Cable Jacket Color         Gray           Contact Features         Contact Features           Contact Current Rating         12 A           Mechanical Attachment         Screw & Hole Thread Size         M12           MB/M12 Cable Assembly Mounting Angle         Streight-Right Angle           Housing Features         Wion           Overall Outside Cable Assembly Housing Material         Nylon           Dimensions         9.1 mm           Conductor Diameter         9.1 mm           Conductor Diameter         1.5 mm²           Cable Assembly Length         1500 mm           Usege Conditions         Ver           Operating Temperature Range         -25 – 85 °C           Operating Temperature Range         Packaging Method           MS/M12 Application Type         Power           Packaging Method         Bag           Other         Ver           Field Serviceable         No	Connector Color	Black
Cable Jacket Color       Gray         Contact Features       I2 A         Contact Current Rating       12 A         Mechanical Attachment       Screw & Hole Thread Size         Screw & Hole Thread Size       M12         M8/M12 Cable Assembly Mounting Angle       Straight-Right Angle         Houring Features       Viaght Cable Assembly Housing Material         M8/M12 Cable Assembly Housing Material       Nylon         Description       9.1 mm         Conductor Diameter       9.1 mm         Conductor Diameter       9.1 mm         Conductor Diameter       1.6 mm         Wire Size       1.5 mm <sup>2</sup> Cable Assembly Length       1500 mm         Usage Conditions       Viage Conditions         Operation/Application Type       Power         Packaging Mathod       Bag         Other       Viage Condition S         Product Compliance       Viage Condition S         Other       Viage Condition S         Product Compliance       Viage Condition S         Other       Viage Condition S         Product Compliance       Viage Condition S         Other       Viage Condition S         Product Compliance       Viage Condition S         Pr	Wire Color	Brown, White, Blue, Black, Gray
Contact Features         Contact Current Rating       12 A         Mechanical Attachment       Screw & Hole Thread Size       M12         Screw & Hole Thread Size       M12         M8/M12 Cable Assembly Mounting Angle       Straight-Right Angle         Housing Features       Nylon         Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       1.6 mm         Wire Size       1.5 mm²         Cable Assembly Length       1500 mm         Usege Conditions       25 – 85 °C         Operating Temperature Range       25 – 85 °C         Packaging Method       Bag         Other       No         Field Serviceable       No	Insulation Material	PP
Contact Current Rating     12 A       Mechanical Attachment     Screw & Hole Thread Size     M12       Screw & Hole Thread Size     M12       MB/M12 Cable Assembly Mounting Angle     Straight Right Angle       Housing Features     Nylon       MB/M12 Cable Assembly Housing Material     Nylon       Dimensions     9.1 mm       Conductor Diameter     9.1 mm       Conductor Diameter     9.1 mm       Conductor Diameter     1.6 mm       Wire Size     1.5 mm <sup>2</sup> Cable Assembly Length     1500 mm       Usage Conditions     Usage Conditions       Operating Temperature Range     -25 – 85 °C       Operating Features     Packaging Features       Packaging Method     Bag       Other     Itel Serviceable       Field Serviceable     No	Cable Jacket Color	Gray
Mechanical Attachment         Screw & Hole Thread Size       M12         M8/M12 Cable Assembly Mounting Angle       Straight-Right Angle         Housing Features       Nylon         M8/M12 Cable Assembly Housing Material       Nylon         Dimensions       9.1 mm         Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       1.6 mm         Wire Size       1.5 mm²         Cable Assembly I ength       1500 mm         Usage Conditions       Voerating Temperature Range         Operating Temperature Range       25 – 85 °C         Operating Temperature Range       Power         Packaging Method       Bag         Other       Viel Serviceable         Field Serviceable       No	Contact Features	
Screw & Hole Thread Size       M12         M8/M12 Cable Assembly Mounting Angle       Straight-Right Angle         Housing Features       Nylon         Dimensions       9.1 mm         Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       1.6 mm         Yire Size       1.5 mm²         Cable Assembly Length       1500 mm         Usage Conditions       25 – 85 °C         Operating Temperature Range       25 – 85 °C         Operating Temperature Range       25 – 85 °C         Packaging Features       Power         Packaging Method       Bag         Other       No         Field Serviceable       No	Contact Current Rating	12 A
M8/M12 Cable Assembly Mounting Angle       Straight-Right Angle         Housing Features       Nylon         Dimensions       Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       9.1 mm       Conductor Diameter         Vire Size       1.6 mm       Num         Cable Assembly Length       1500 mm       Coble Assembly Length         Usage Conditions       -25 – 85 °C         Operating Temperature Range       -25 – 85 °C         Operating Temperature Range       Power         Packaging Features	Mechanical Attachment	
Housing Features Ng/M12 Cable Assembly Housing Material Nylon  Mg/M12 Cable Assembly Housing Material Nylon  Overall Outside Cable Diameter 9.1 mm Conductor Diameter 1.6 mm Conductor Diameter 1.6 mm Vire Size 1.5 mm² Cable Assembly Length 1500 mm Usage Conditions Usage Conditions Usage Conditions Usage Conditions  Poperating Temperature Range -25 – 85 °C  Operating Temperature Range Power Packaging Features Packaging Method Bag Other Field Serviceable No	Screw & Hole Thread Size	M12
M8/M12 Cable Assembly Housing Material       Nylon         Dimensions       9.1 mm         Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       1.6 mm         Wire Size       1.5 mm²         Cable Assembly Length       1500 mm         Usage Conditions       -25 – 85 °C         Operating Temperature Range       -25 – 85 °C         Operating Temperature Range       Power         Packaging Features       Power         Packaging Method       Bag         Other       Field Serviceable         Field Serviceable       No	M8/M12 Cable Assembly Mounting Angle	Straight-Right Angle
Dimensions         Overall Outside Cable Diameter       9.1 mm         Conductor Diameter       1.6 mm         Wire Size       1.5 mm²         Cable Assembly Length       1500 mm         Usage Conditions         Usage Conditions         Operating Temperature Range         Operation/Application         VM8/M12 Application Type       Power         Packaging Method       Bag         Other         Field Serviceable       No	Housing Features	
Overall Outside Cable Diameter9.1 mmConductor Diameter1.6 mmWire Size1.5 mm²Cable Assembly Length1500 mmUsage ConditionsOperating Temperature Range-25 - 85 °COperation/ApplicationM8/M12 Application TypePowerPackaging FeaturesPackaging MethodBagOtherField ServiceableNo	M8/M12 Cable Assembly Housing Material	Nylon
Conductor Diameter1.6 mmWire Size1.5 mm²Cable Assembly Length1500 mmUsage ConditionsUsage ConditionsOperating Temperature Range-25 – 85 °COperation/ApplicationM8/M12 Application TypePowerPackaging Features-25 – 85 °CPackaging MethodBagOther-25 – 85 °CField ServiceableNo	Dimensions	
Wire Size1.5 mm²Cable Assembly Length1500 mmUsage Conditions-25 – 85 °COperating Temperature Range-25 – 85 °COperation/ApplicationPowerM8/M12 Application TypePowerPackaging Features-25 – 85 °CPackaging MethodBagOther-25 – 85 °CField ServiceableNo	Overall Outside Cable Diameter	9.1 mm
Cable Assembly Length       1500 mm         Usage Conditions       -         Operating Temperature Range       -25 - 85 °C         Operation/Application       Power         M8/M12 Application Type       Power         Packaging Features       Power         Packaging Method       Bag         Other       Field Serviceable         Froduct Compliance       No	Conductor Diameter	1.6 mm
Usage Conditions         Operating Temperature Range       -25 – 85 °C         Operation/Application         M8/M12 Application Type       Power         Packaging Features         Packaging Method       Bag         Other         Field Serviceable       No         Product Compliance         For compliance documentation, visit the product page on TE.com>	Wire Size	1.5 mm <sup>2</sup>
Operating Temperature Range       -25 – 85 °C         Operation/Application         M8/M12 Application Type       Power         Packaging Features         Packaging Method       Bag         Other         Field Serviceable       No	Cable Assembly Length	1500 mm
Operation/Application       M8/M12 Application Type       Power         Packaging Features       Packaging Method       Bag         Other       Field Serviceable       No         Product Compliance       For compliance documentation, visit the product page on TE.com>	Usage Conditions	
M8/M12 Application Type       Power         Packaging Features       Packaging Method         Packaging Method       Bag         Other       Field Serviceable         Field Serviceable       No	Operating Temperature Range	-25 – 85 °C
Packaging Features       Bag         Other       Field Serviceable         No       No	Operation/Application	
Packaging Method Bag   Other Field Serviceable   Field Serviceable No   Product Compliance For compliance documentation, visit the product page on TE.com>	M8/M12 Application Type	Power
Other       Field Serviceable       No         Product Compliance       For compliance documentation, visit the product page on TE.com>	Packaging Features	
Field Serviceable No   Product Compliance For compliance documentation, visit the product page on TE.com>	Packaging Method	Bag
Product Compliance For compliance documentation, visit the product page on TE.com>	Other	
For compliance documentation, visit the product page on TE.com>	Field Serviceable	No
EU RoHS Directive 2011/65/EU Compliant with Exemptions	-	
	EU RoHS Directive 2011/65/EU	Compliant with Exemptions

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EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUL 2021 (219) Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## **Compatible Parts**



### Documents

#### CAD Files

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_T41526C9L25-003\_A.2d\_dxf.zip

English

Customer View Model ENG\_CVM\_CVM\_T41526C9L25-003\_A.3d\_igs.zip

English

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Customer View Model

ENG\_CVM\_CVM\_T41526C9L25-003\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages M12 L-CODE CABLE ASSEMBLY

English

Product Specifications Application Specification

English