

1SET311720R0000 ✓ ACTIVE

ENTRELEC | M8 Connector

TE Internal #: 1SET311720R0000

M8 to M12 Cable Assembly, 4 Position, 3 m, Sensor/Actuator, Code A, M8 Plug, M12 Socket, Double Ended, GF Nylon

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



M8/M12 Application Type: **Sensor/Actuator**

Number of Positions: **4**

Keying Code: **A**

Connector Type (End A): **M8 Plug**

Connector Type (End B): **M12 Socket**

Features

Product Type Features

| | |
|------------------------|----------------|
| LED | Without |
| Product Type | Cable Assembly |
| Cable Type | PUR |
| Assembly Type | Pigtail |
| Connector Type (End A) | M8 Plug |
| Connector Type (End B) | M12 Socket |
| Cable Assembly Type | M8 to M12 |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 4 |
| Keying Code | A |

Electrical Characteristics

| | |
|-------------------|--------|
| Operating Voltage | 30 VDC |
|-------------------|--------|

Body Features

| | |
|--------------------------|------|
| Environmental Protection | With |
|--------------------------|------|



| | |
|--------------------|--------------|
| Conductor Material | Copper Alloy |
|--------------------|--------------|

| | |
|-----------------|------|
| Connector Color | Blue |
|-----------------|------|

| | |
|------------|------------------------|
| Wire Color | Brown-White-Blue-Black |
|------------|------------------------|

| | |
|--------------------|------|
| Cable Jacket Color | Gray |
|--------------------|------|

| | |
|---------------------|-----|
| Insulation Material | PUR |
|---------------------|-----|

Contact Features

| | |
|------------------------|-----|
| Contact Current Rating | 3 A |
|------------------------|-----|

Mechanical Attachment

| | |
|--------------------------|----------|
| Screw & Hole Thread Size | M8 x M12 |
|--------------------------|----------|

| | |
|-------------------------------|-------------|
| Connector Orientation (End A) | Right Angle |
|-------------------------------|-------------|

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

Housing Features

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|------------------|----------|
| Housing Material | GF Nylon |
|------------------|----------|

Dimensions

| | |
|--------------------------------|------|
| Overall Outside Cable Diameter | 5 mm |
|--------------------------------|------|

| | |
|-----------|---------------------|
| Wire Size | .25 mm ² |
|-----------|---------------------|

Usage Conditions

| | |
|-----------------------------|---------------------------|
| Operating Temperature Range | -25 – 85 °C[-13 – 185 °F] |
|-----------------------------|---------------------------|

Operation/Application

| | |
|-------------------------|-----------------|
| M8/M12 Application Type | Sensor/Actuator |
|-------------------------|-----------------|

| | |
|----------|----|
| Shielded | No |
|----------|----|

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|-------------------|-----|
| Field Serviceable | Yes |
|-------------------|-----|

| | |
|-----------------------|-----|
| Cable Assembly Length | 3 m |
|-----------------------|-----|

| | |
|------------------------------|--------------|
| Cable Assembly Configuration | Double Ended |
|------------------------------|--------------|

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Not reviewed for solder process capability |

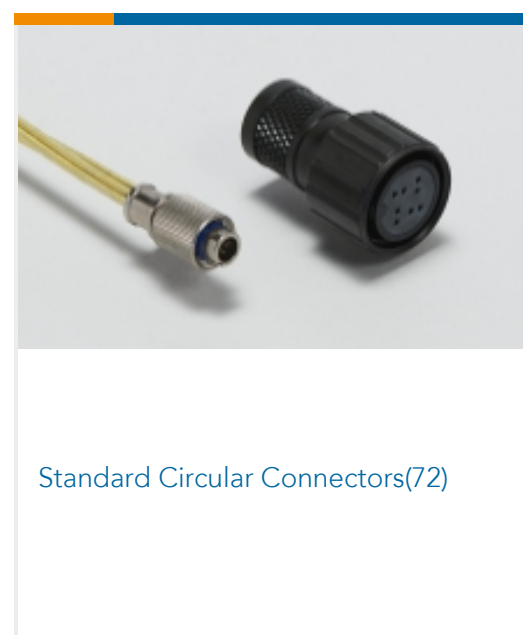
Product Compliance Disclaimer

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 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



Also in the Series | M8 Connector





Documents

Product Drawings

[M8-MR-4P-M12-FS-PUR-3.0](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1SET311720R0000_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET311720R0000_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1SET311720R0000_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Infographic - entrelec ews-linecard](#)

English

[Catalog - ENTRELEC-M8-M12-RJ45](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English