



Cable Assemblies > Copper Cable Assemblies > Pluggable I/O Cable Assemblies



Cable Assembly Type: INDUSTRIAL MINI I/O

Equalized: **Yes**

Wire Size: **.129 mm<sup>2</sup>**

Outside Cable Diameter: **6.2 mm [ .244 in ]**

Features

Product Type Features

|                         |                                                |
|-------------------------|------------------------------------------------|
| Latching Style          | Slide Latch                                    |
| Twisted Pairs           | Yes                                            |
| Performance Category    | Category 5E Performance for 10/100 /1000BASE-T |
| Product Type            | Cable Assembly                                 |
| Product Designation     | Patch Cord                                     |
| Cable Assembly Category | Industry Standard                              |
| Cable Assembly Type     | INDUSTRIAL MINI I/O                            |
| Connector Type (End A)  | INDUSTRIAL MINI I/O Plug                       |
| Connector Type (End B)  | INDUSTRIAL MINI I/O Plug                       |

Configuration Features

|                            |              |
|----------------------------|--------------|
| Configuration              | Double-Ended |
| Number of Positions        | 8            |
| Number of Signal Positions | 8            |

Electrical Characteristics

|           |       |
|-----------|-------|
| Impedance | 100 Ω |
|-----------|-------|

Signal Characteristics

|           |        |
|-----------|--------|
| Data Rate | 1 Gb/s |
|-----------|--------|

Body Features

|                 |              |
|-----------------|--------------|
| Shield Material | Copper Alloy |
|-----------------|--------------|



|                           |        |
|---------------------------|--------|
| Jacket Material           | PVC    |
| Equalized                 | Yes    |
| Cable Color               | Black  |
| Cable Flammability Rating | UL 444 |

Contact Features

|                                       |                  |
|---------------------------------------|------------------|
| Contact Mating Area Plating Thickness | .5 µm, 19.68 µin |
| Contact Mating Area Plating Material  | Gold             |

Mechanical Attachment

|           |         |
|-----------|---------|
| Jackscrew | Without |
|-----------|---------|

Housing Features

|                  |               |
|------------------|---------------|
| Housing Material | Thermoplastic |
|------------------|---------------|

Dimensions

|                        |                 |
|------------------------|-----------------|
| Wire Size              | .129 mm²        |
| Outside Cable Diameter | 6.2 mm[.244 in] |

Operation/Application

|              |     |
|--------------|-----|
| Shielded     | Yes |
| Halogen Free | Yes |

Industry Standards

|           |    |
|-----------|----|
| IEEE 1394 | No |
|-----------|----|

Other

|                       |              |
|-----------------------|--------------|
| CLOUDSPLITTER         | No           |
| Cable Assembly Length | 2 m[6.56 ft] |

Product Compliance

For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                                          |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Not Yet Reviewed                                                                                                                         |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                                |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                                  |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JUNE 2022 (224)<br>Candidate List Declared Against: JAN 2017 (173)<br>SVHC > Threshold:<br>Not Yet Reviewed |



|                           |                                              |
|---------------------------|----------------------------------------------|
| Halogen Content           | Not Yet Reviewed for halogen content         |
| 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 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.

Documents

Product Drawings  
CA MINI IO MINI IO TYPE II

English

Product Specifications  
Application Specification

English