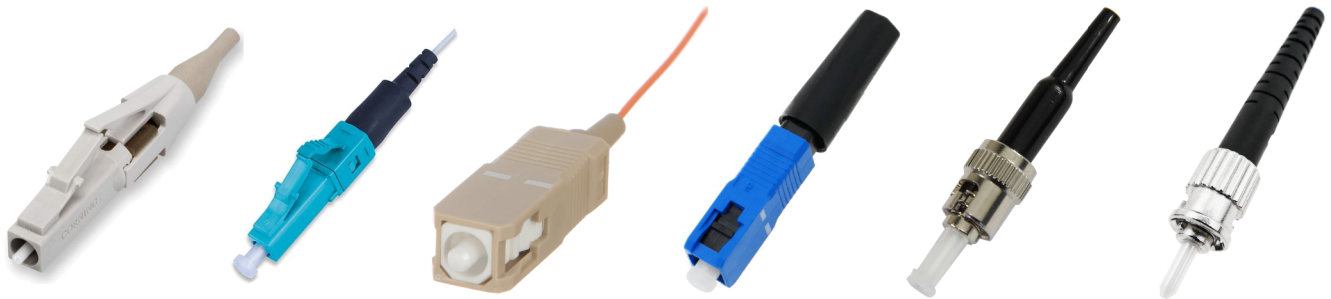


Honeywell

CONNECTOR COMMON DATASHEET

HONEYWELL offers entire range of ST, SC, LC and FC connectors in both Single mode and Multi mode for high accuracy performances. Suitable for buffered cables as well as pigtailed, all the connectors are designed with Zirconia Ceramic ferrules.



LC MM
Connector

LC SM
Connector

SC MM
Connector

SC SM
Connector

ST
Connector

FC
Connector

Features

- Single Mode and Multi Mode ST, SC, LC and FC Connectors
- High Precision Ceramic Ferrule with polymer housing
- EIA/TIA 568 C.2 compliant

Technical Specifications

| Specifications | ST Connector | SC Connector | LC Connector | FC Connector |
|--|--|---------------|------------------------|---------------|
| Dust Cover Material | PP | | | |
| Ferrule | Ceramic + Bronze | | | |
| Ferrule Diameter | 2.5mm ± 0.001 | 2.5mm ± 0.001 | 1.25mm / 2.5mm ± 0.001 | 2.5mm ± 0.001 |
| Ferrule Type | Zirconia Ceramic | | | |
| Ferrule Tolerance Single Mode | 126 ± 0.5 micron internal | | | |
| Ferrule Tolerance Multi Mode | 127 ± 0.5 micron internal | | | |
| Cable Boot | 3 mm Black | 3 mm Beige | 2 mm White | 3 mm Black |
| Boot Material | TPE | | | |
| Plug Frame | PBT + GF (Polybutylene Terephthalate + Glass Fiber) | | | |
| Insertion Loss (Single and Multi Mode) | < 0.3 dB | | | |
| Return Loss | > 55dB UPC Style Ferrule > 60dB APC Style Ferrule in SM | | | |
| Finish | Pre-radiused PC end, radius 10 to 25mm | | | |
| Mating Cycle | Up to 1000 times | | | |
| Performance | IEC61753-1 Optical Fiber interconnecting devices and passive components performance standard | | | |
| Standard | IEC61754-20 Optical Fiber Connector Interface | | | |
| Durability | IEC61300-2-2 Fiber Optic Interconnecting Devices | | | |
| Operating Temperature | -40°C to + 85°C | | | |

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FIBER



Ordering Information (Part Codes And Description)

| No. | Part Code | Description |
|---|------------------------|-----------------------|
| | SINGLE MODE | |
| 1 | HC004101/FBR/SM/CON/ST | SM Connector ST Style |
| 2 | HC004102/FBR/SM/CON/SC | SM Connector SC type |
| 3 | HC004103/FBR/SM/CON/FC | SM Connector FC type |
| 4 | HC004104/FBR/SM/CON/LC | SM Connector LC Style |
| | MULTI MODE | |
| 1 | HC004121/FBR/MM/CON/ST | MM Connector ST Style |
| 2 | HC004122/FBR/MM/CON/SC | MM Connector SC type |
| 3 | HC004123/FBR/MM/CON/FC | MM Connector FC type |
| 4 | HC004124/FBR/MM/CON/LC | MM Connector LC Style |
| NOTE: Length and other Connector options available on demand | | |

History

Rev. 1.0, July 2020

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