

Ultra QSFP Copper Cable Assembly



OVERVIEW

Luxshare-TECH 200Gbps Ultra QSFP copper cable is widely adopted in the interconnection among switch units in datacenter based on Ethernet, and adopted in Supercomputing system based on IBTA. It is a high reliability, high aggregate data bandwidth and cost-saving solution.

Luxshare-TECH 200G Ultra QSFP copper cables combine four channels operating at speeds up to 56Gbps per channel into one affordable high-density package(QSFP). Luxshare-TECH Ultra QSFP cables integrate a standard 38-position gold finger interface and zinc die-cast backshells for superior EMI performance. The Ultra QSFP copper cable provides lower insertion loss, less skew, better mechanical and reliability performance by adopting excellent SI performance raw cable and reliable components. Luxshare-TECH's Ultra QSFP copper cable products show the diverse type and full range of length coverage with the customers in the industry, DAC up to 3meter length, ACC up to 5meter length.

FEATURES & BENEFITS

- ◆ Compliant with SFF-8436
- ◆ Compliant with IEEE802.3cd
- ◆ Up to 56Gbps data rate per channel
- ◆ Mating with the standard 38-pin QSFP connector
- ◆ Ultra QSFP DAC support length up to 3m(26AWG), ACC support length up to 5m(26AWG)
- ◆ Single +3.3V power supply
- ◆ Excellent SI performance
- ◆ I2C based two-wire serial interface of EEPROM signal
- ◆ Operating temperature: 0°C~+70°C
- ◆ Storage Ambient Temperature: -40°C~+85°C
- ◆ Power level I: less than 30mw(DAC)
- ◆ All materials comply with RoHS2.0

PRODUCT APPLICATIONS

Server
Network Storage
HPC
Router/Switch

INDUSTRY STANDARDS

IEEE 802.3cdj
SFF-8436
IBTA HDR

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TECHNICAL INFORMATION

MATERIAL

Contact gold plated 30u"
 Nickel plated zinc die cast shells & latching
 Mechanism parts
 Thermoplastic cable pull tab

ELECTRICAL PERFORMANCE

Differential impedance: 100 ohm
 Current : 0.5 A/contact
 Voltage: 30 V AC/contact

Partial PN Table

Product Numbers	Product Description
LA0QF122-SD-R	U-QSFP PASSIVE CABLE ASSEMBLY 30AWG-1.0M
LA0QF123-SD-R	U-QSFP PASSIVE CABLE ASSEMBLY 28AWG-2.0M
LA0QF125-SD-R	U-QSFP PASSIVE CABLE ASSEMBLY 26AWG-1.5M
LA0QF127-SD-R	U-QSFP PASSIVE CABLE ASSEMBLY 28AWG-2.5M
LA0QF133-SD-R	U-QSFP PASSIVE CABLE ASSEMBLY 28AWG-2.25M

MECHANICAL PERFORMANCE

Rated Durability Cycles 250
 Latch Pull Strength 90N MIN
 Cable Retention in Plug 90N MIN

ENVIRONMENTAL

Storage temperature range: -40°C to +80°C
 Operating temperature: 0°C to +70°C
 RoHS compliant

SPECIFICATION

ES-10-00-0012

Schematic

