External High Speed Cable



Ultra SFP Copper Cable Assembly



OVERVIEW

Luxshare-TECH Ultra SFP copper cable is widely adopted in the interconnection between switch unit and computing nodes(56Gbps for Ethernet), the interconnection between server and storage(32Gbps for Fiber Channel) in datacenter and Enterprise IT infranstructure, and adopted in Supercomputing system based on IBTA. It is a high reliability, high aggregate data bandwidth and cost-saving solution.

Luxshare-TECH Ultra SFP copper cables support one channel at 56Gbps in the high-density package(SFP). Luxshare-TECH Ultra SFP cables integrate a standard 20-position gold finger interface and zinc die-cast backshells for superior EMI performance. Ultra SFP 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 SFP copper cable products provide the diverse type and full range of length coverage for the customers in the industry, DAC up to 3meter length, ACC up to 5meter length.

FEATURES & BENEFITS

- Compliant with SFF-8431
- Support IEEE802.3cd, rate up to PAM4 56G
- ◆ 1x(1 channel) base configuration
- ◆ I2C for EEPROM communication
- ♦ 100 Ohms differential impedance
- Pull to Release latch design
- ♦ 30AWG ~ 26AWG cable available
- ◆ Operation temperature: 0°C~+70°C
- ◆ Storage Ambient Temperature:-40°C~+85°C
- ◆ Relative Humidity< 80%</p>
- ♦ 360 degree EMI crimping shielding
- ♦ All materials comply with RoHS2.0

PRODUCT APPLICATIONS

Servei

Network Storage

HPC

Router/Switch

INDUSTRY STANDARDS

EEE 802.3cd SFF-8431 & 8432 IBTA EDR HDR

Ultra SFP Copper Cable Assembly

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

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ENVIRONMENTAL

Rated Durability Cycles 250 Latch Pull Strength 90N MIN

Cable Retention in Plug 90N MIN

Storage temperature range: -40°C to +80°C

MECHANICAL PERFORMANCE

Operating temperature: 0°C to +70°C

RoHS compliant

SPECIFICATION

ES-10-00-0014

Product Numbers	Product Description
LA0SF110-SD-R	Passive cable U-SFP to U-SFP 30AWG 1.0m
LA0SF111-SD-R	Passive cable U-SFP to U-SFP 28AWG 2.0m
LA0SF112-SD-R	Passive cable U-SFP to U-SFP 26AWG 3.0m
LA0SF113-SD-R	Passive cable U-SFP to U-SFP 30AWG 2.0m

Schematic

