

Super SFP Copper Cable Assembly



OVERVIEW

Luxshare-TECH Super SFP copper cable is widely adopted in the interconnection between switch unit and computing nodes(25Gbps for Ethernet), the interconnection between server and storage (32Gbps for Fiber Channel) in datacenter and Enterprise IT infrastructure, and adopted in Supercomputing system based on IBTA. It is a high reliability, high aggregate data bandwidth and cost-saving solution.

Luxshare-TECH Super SFP copper cables support one channel at 25Gbps in the high-density package(SFP). Luxshare-TECH Super SFP cables integrate a standard 20-position gold finger interface and zinc die-cast backshells for superior EMI performance. Super 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 Super SFP copper cable products show the diverse type and full range of length coverage with the customers in the industry, DAC up to 7meter length, ACC up to 10meter length.

FEATURES & BENEFITS

- ◆ Compliant with SFF-8431
- ◆ Support IEEE802.3by, rate up to 25G
- ◆ 1x(one channel) base configuration
- ◆ High speed storage applications
- ◆ I2C for EEPROM communication
- ◆ 100 Ohms differential impedance
- ◆ Pull to Release latch design
- ◆ 32AWG and 26AWG cable available
- ◆ Operation temperature: 0°C~+70°C
- ◆ Storage Ambient Temperature: -40°C~+85°C
- ◆ Relative Humidity< 80%
- ◆ 360 degree EMI crimping shielding
- ◆ All materials comply with RoHS2.0

PRODUCT APPLICATIONS

Server
Network Storage
HPC
Router/Switch

INDUSTRY STANDARDS

EEE 802.3by
SFF-8432
IBTA QDR
32G Fiber Channel Gen6

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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
LA0SF060-SD-R	S-SFP 25G passive cable assembly 30AWG 1m
LA0SF061-SD-R	S-SFP 25G passive cable assembly 30AWG 2m
LA0SF062-SD-R	S-SFP 25G passive cable assembly 30AWG 3m
LA0SF063-SD-R	S-SFP 25G passive cable assembly 28AWG 1m
LA0SF064-SD-R	S-SFP 25G passive cable assembly 28AWG 2m
LA0SF065-SD-R	S-SFP 25G passive cable assembly 28AWG 3m
LA0SF066-SD-R	S-SFP 25G passive cable assembly 26AWG 3m
LA0SF067-SD-R	S-SFP 25G passive cable assembly 26AWG 4m
LA0SF068-SD-R	S-SFP 25G passive cable assembly 26AWG 5m

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-10-00-0011

Schematic

