

SFP+ Copper Cable Assembly

OVERVIEW

Luxshare-TECH SFP+ copper cable is widely adopted in the interconnection between switch unit and computing nodes(10Gbps for Ethernet), the interconnection between server and storage(16Gbps for Fiber Channel) in datacenter and Enterprise IT infrastructure, and adopted in HPC system based on IBTA. It is a high reliability, high aggregate data bandwidth and cost-saving solution. Luxshare-TECH SFP+ copper cables support one channel at 10Gbps in the high-density package(SFP). Luxshare-TECH SFP+ copper cables integrate a standard 20-position gold finger interface and zinc die-cast backshells for superior EMI performance. 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 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, SFF-8432
- Compliant with IEEE802.3ba
- 1x (1 channel) base configuration
- Higher speed storage applications
- I2C for EEPROM communication
- 100 Ohms differential impedance
- Pull to Release latch design
- 32AWG and 24AWG 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
Storage
HPC
Router/Switch

INDUSTRY STANDARDS

IEEE 802.3ba
SFF-8432
IBTA

TECHNICAL INFORMATION

MATERIAL

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

ELECTRICAL PERFORMANCE

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

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-10-00-0010

Partial PN Table

Product Numbers	Product Description
LA0SFXXX-SD-R	SFP 10G 30AWG 1.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 10G 30AWG 2.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 10G 30AWG 3.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 10G 30AWG 5.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 25G 30AWG 1.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 25G 30AWG 2.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 25G 30AWG 3.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 25G 26AWG 5.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 25G 26AWG 7.0M Active Cable Assembly
LA0SFXXX-SD-R	SFP 50G 30AWG 1.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 50G 30AWG 2.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 50G 26AWG 3.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 50G 24AWG 5.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 100G 30AWG 1.0M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 100G 28AWG 1.4M Passive Cable Assembly
LA0SFXXX-SD-R	SFP 100G 26AWG 2.0M Passive Cable Assembly