

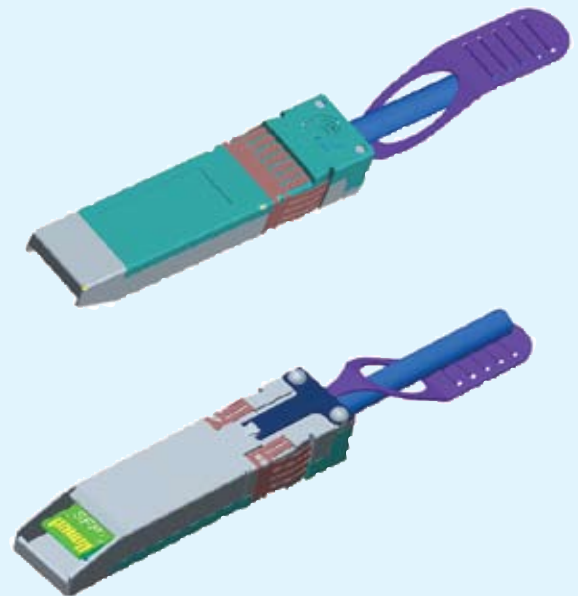
SFP+ Copper Cable Assemblies

For 10Gigabit-Ethernet (10GbE), 8G Fibre Channel and 10G Fibre Channel over Ethernet applications

DESCRIPTION

FCI's SFP+ cable assemblies are designed to meet data center, storage networking and high performance computing application needs for a high density cabling interconnect system capable of 10Gb/s per channel transmission rates. These cable assemblies are designed to meet the requirements of Small Form Factor industry standard SFF-8431. The SFP+ cables support the bandwidth transmission requirements as defined by 10Gigabit-Ethernet (10G Base-CU), 8G Fibre Channel (FC) and 10G Fibre Channel over Ethernet (FCoE) specifications

The cable assembly's printed circuit paddle card has been designed to not only address the stringent mechanical interface requirements but also the higher-bandwidth signal integrity requirements for 10Gb/s per channel transmission. It has also been designed to accommodate EEPROM cable signature needs as well as address applications for both passive and active equalized cable assembly applications. The assembly also include robust diecast covers and an EMI girdle to assure proper EMI shielding effectiveness and termination. In addition, FCI manufactures these cable assemblies using highly controlled and stable cable assembly manufacturing processes minimize wire management and termination variations that impact the performance of the cable assembly. Robust final test and quality systems assure high quality cable assemblies conforming to the high-speed electrical performance requirements in industry specifications.



FEATURES & BENEFITS

- Fully compatible with all SFP+ interfaces & mechanical backwards compatibility with SFP
- Designed to be compliant with SFF-8431 industry standard
- 100 ohm differential impedance
- Allows for 10Gb/s per channel transmission up to 7 meters (passive cable assembly)
- Allows for 10Gb/s per channel transmission up to 15 meters (actively equalized cable assembly)
- Optimized PCB interface board to minimize crosstalk and insertion loss
- Stamped EMI girdle to assure superior EMI shielding effectiveness
- EEPROM for cable signature
- Actively equalized cables enable longer cable lengths or the use of smaller cable diameters for shorter cable lengths
- Lower cost and lower power solution when compared to fiber optic links
- 32 AWG to 24 AWG cable sizes available
- RoHS compliant

TARGET MARKETS / APPLICATIONS

- Data
 - Servers
 - Networked storage systems
 - External storage systems
 - High Performance Computing (HPC) applications
 - Data Center networking
- Communications
 - Switches
 - Routers
- Industry Standards
 - 10 Gigabit-Ethernet (10 GBASE-CU)
 - Gigabit-Ethernet (IEEE 802.3ae)
 - 8G FC and 10G FCoE
 - SFF-8431

