LEVITON

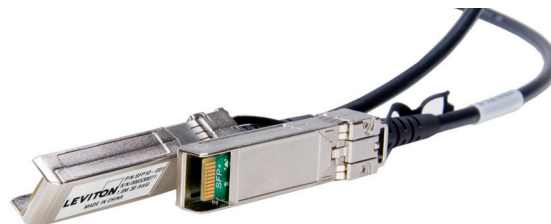# SFP+ 10G Passive Copper Cable Assemblies

APPLICATION

10G bandwidth enables increased network efficiency through greater server consolidation, virtualization and convergence in data center applications. Small Form-factor Pluggable Plus (SFP+) cable assemblies support server interconnects for high bandwidth 10G data center applications. Leading electronics manufacturers provide SFP+ compliant ports in active equipment to support up to 10G performance for network applications such as Fibre Channel and 10 Gigabit Ethernet. The assemblies are compatible with a wide variety of hubs, switches, routers, servers, and network interface cards (NICs).

Leviton's SFP+ passive cable assemblies are hot pluggable to allow installation, removal, or exhange of cables without turning off system power. In environments where the pieces of active equipment are to be directly attached in relatively close proximity (distances up to seven meters) to each other, these copper cable assemblies provide a more cost effective alternative than an optical solution. This application is common in ToR (Top of Rack) or EoR (End of Row) data center configurations.

SPECIFICATION

Copper SFP+ Cable Assemblies shall be compliant with Small Form Factor (SFF)-8431 specifications. They shall be factory terminated using twinaxial copper cable, available in lengths from one to seven meters, and shall be capable of data transmission speeds of up to 10 Gbps in either Fibre Channel or Ethernet data environments. The cable assemblies shall have a pull latch to release the assembly from active equipment, and this latch shall be constructed and located in such a way that belly-to-belly installation of the cable assemblies is enabled, permitting the highest possible cabling density. The cable assemblies shall be RoHS compliant, and they shall provide superior EMI performance for up to 10 Gbps data transmission. The cable assemblies shall be hot pluggable to allow changes without turning off system power. The cable assemblies shall provide low power draw and low latency for interconnects in data center applications. SFP+ cable assemblies shall be independently tested.

FEATURES

- SFF-8431 compliant for SFP+ interconnects including Checksum EEPROM
- Meets requirements for data speeds up to 10 Gbps at distances up to seven meters
- Hot pluggable interconnect
- Low power, low latency
- Provides superior EMI performance for transmission speeds up to 10 Gbps
- Integrated strain relief ensures reliable performance
- Low-profile pull latch enables belly-to-belly cable installation
- Works in active 10G equipment with highest possible port density
- 100% factory terminated and independently tested
- Packaged in anti-static bag

DESIGN CONSIDERATIONS

- Allows ToR (Top of Rack) or EoR (End of Row) configurations with connections up to seven meters
- Use as a lower-cost alternative to optical transceiver connection of active equipment
- Observe minimum bend radius recommendations – no tighter than 5X that of cable outer diameter (OD)
- Observe cable support and slack storage recommendations
- Ensure that cable routing does not obstruct equipment air flow
- Hot pluggable
- Complements Leviton's extensive fiber offering for data center core and/or aggregation layers

STANDARDS COMPLIANCE

- Meets SFF-8431 requirements for SFP+ interconnects
- EIA 364 Electrical Connector Test Procedures including Environmental Classifications
- Third party verified through the University of New Hampshire InterOperability Lab (UNH-IOL)
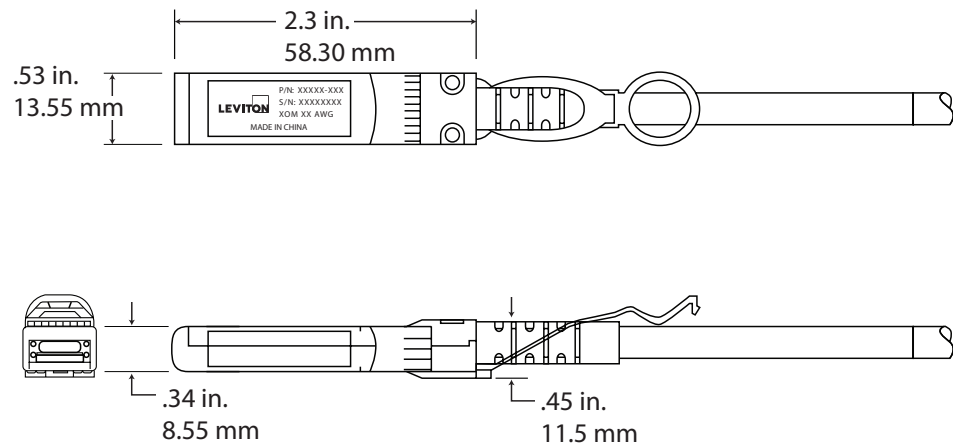- RoHS Compliant

PHYSICAL SPECIFICATIONS

See page two

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit Leviton.com/warranty.

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ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

PHYSICAL SPECIFICATIONS

Backshell	Zinc Diecast
Pull Release	Nylon
Lengths	1, 3, 5, and 7 meters
Wire Gauge	1 and 3 meter lengths: 30 AWG
	5 and 7 meter lengths: 24 AWG

PART NUMBERS

Description	Part No.
SFP+ 10G Passive Copper Cable Assembly, 30 AWG, 1 meter length	SFP10-E01
SFP+ 10G Passive Copper Cable Assembly, 30 AWG, 3 meter length	SFP10-E03
SFP+ 10G Passive Copper Cable Assembly, 24 AWG, 5 meter length	SFP10-E05
SFP+ 10G Passive Copper Cable Assembly, 24 AWG, 7 meter length	SFP10-E07

L11 3963

RoHS

ISO 9001 REGISTERED Quality Manufacturer