

CB-SFP+ Series

SFP+ 10G Direct Attach Passive Copper Cable, Male-to-Male, 30AWG

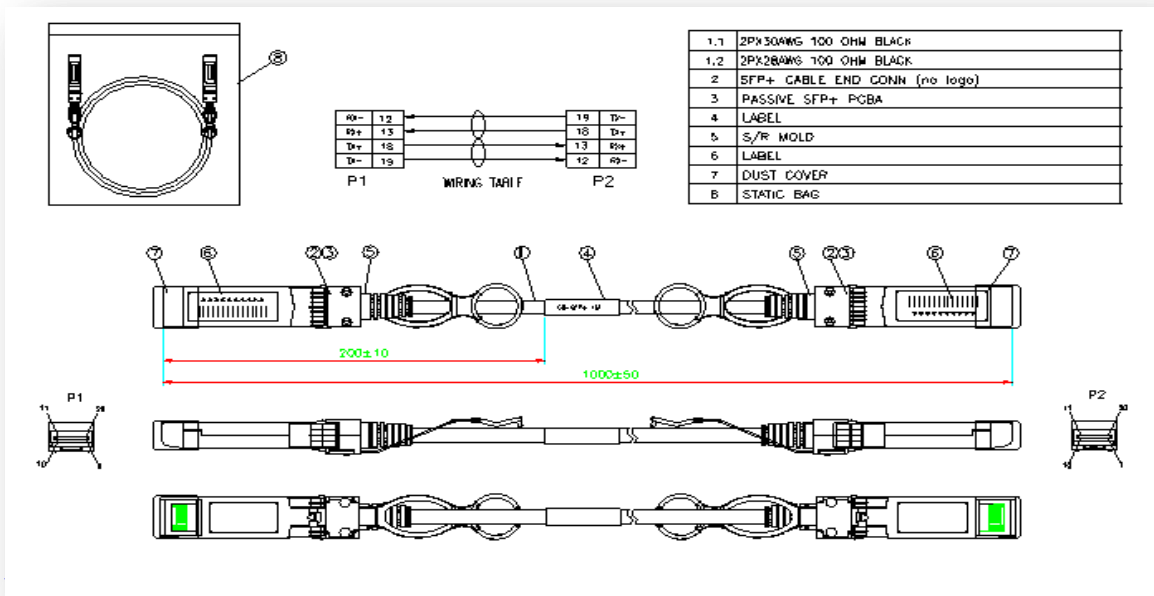
*** Cisco Compatible



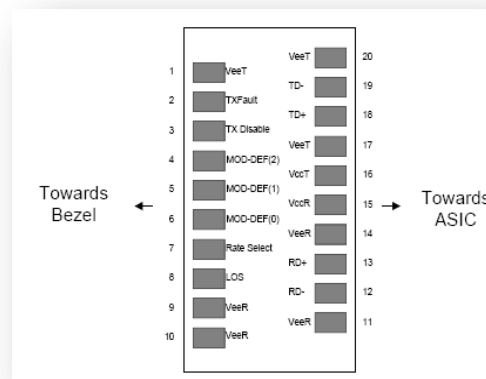
Features

- ▶ Hot - Plug Swappable
- ▶ Low Power Consumption
- ▶ Compliant with SFP+ MSA and SFF-8431
- ▶ Backward Compatible to 1Gbps
- ▶ Cost Effective Solution as Compared to Fiber Transmissions
- ▶ Mating Application
- ▶ Available Models Up to 5 Meters

▶ Dimensions (unit = mm)



▶ PCB Contact Configuration



► Specifications

Material

Backshell	Zinc alloy. Nickel plated over all 100u" Min
PCB contact plating	Plated: 100 u" min. nickel; Contact Area: 30 u" min. gold over nickel Soldering Area: 100u" min tin over nickel
Raw Cable	High Speed cable, 2 pairs, 100 +/- 5 ohms

Rating

Voltage	30VAC
Current	0.5A/Contact

Electrical

Contact Resistance	EIA-364-06 - Max voltage of 320 mV DC and a current of 10mA
Insulation Resistance	EIA-364-21 - 100 VDC (Min)
Dielectric Withstanding Voltage	EIA-364-20 - AC 350V 1min, no breakdown or flash

Signal Integrity

Difference Waveform Dispersion Penalty	6.75dBe max
VMA loss	4.4dBe max
VMA Loss to Crosstalk Ratio	32.5dB min
Differential output/input reflection coefficient	0.01-4.1 GHz: $-12 + 2 \times \text{SQRT}(f)$ with f in GHz 4.1-11.1 GHz: $-6.3 + 13 \times \log_{10}(f/5.5)$ with f in GHz

Mechanical Characteristics

Mating Force	50N Max. With retention latch disengaged
Un-mating Force	50N Max. With retention latch disengaged
Latch retention force	100N Min. with latch
Durability	250 cycles

Environmental Limits

Shock	EIA 364-27 Test Condition H.
Vibration	EIA-364-28 Condition VII, Condition D
Operating Temperature	0° to 70° C
Storage Temperature	-40° to 85° C
Temperature Life	+70°C for 500 hours
Humidity & Temperature cycling	Between 25 and 65°C at 80% to 100% RH
Mixed Flowing Gas	EIA-364-65, Class IIA
Visual Examination	EIA-364-18

► Ordering Information

CB-SFP+1M	SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 1 Meter (3.3ft) 30AWG
CB-SFP+2M	SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 2 Meter (6.6ft) 30AWG
CB-SFP+3M	SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 3 Meter (9.8ft) 30AWG
CB-SFP+4M	SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 4 Meter (13.1ft) 30AWG
CB-SFP+5M	SFP+ 10GbE Direct Attach Passive Copper Cable, Male to Male, 5 Meter (16.4ft) 30AWG