

25Gb/s SFP28 Direct Attach Cable

PSFP28-Tx

Features

- ◆ Up to 25Gb/s data rate
- ◆ Operating case temperature of 0~70 °C
- ◆ Single 3.3V supply voltage
- ◆ Hot pluggable
- ◆ RoHS compliant
- ◆ Supports IEEE 802.3by SFF-8402 compliant
Tested in an end-to-end system



Applications

- ◆ 25 Gigabit Ethernet Switch
- ◆ Switches, Routers and HBAs
- ◆ Data Center

Description

The PSFP28-Tx passive copper cable is a high speed, cost-effective 25Gbp/s Ethernet connectivity solution designed to meet the growing needs for higher bandwidth in data centers. It contains a single high-speed copper pair, operating at data rates of up to 25 Gb/s. The cables are compliant with IEEE P802.3 by Ethernet standard and SFF-8402 SFP28 standard. Each SFP28 connector comprises an EEPROM providing product information which can be read by the host system. PeakOptical's unique quality passive copper cable solutions provide efficient connectivity for short distance interconnects. It enables higher port bandwidth, density and configurability at a low cost and reduced power requirement in the data centers. Rigorous production testing ensures the best out-of-the-box installation experience, performance, and durability.

Recommended Operating Environment

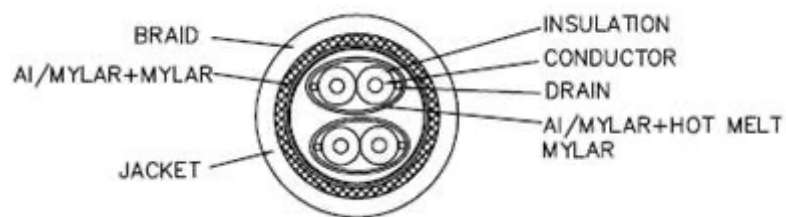
Parameter	Symbol	Min.	Typical	Max.	Unit
Storage Temperature		-40		85	°C
Operating Case Temperature	Tc	0		70	°C
Power Supply Voltage	VCC3	3.14	3.3	3.47	V

Electrical Specifications

Parameter	Minimum	Typical	Maximum	Units
Characteristic Impedance	90	100	110	Ω
Time Delay	---	---	4.5	ns/m

Bulk Cable Characteristics

The structure of the cable is shown as the figure , the characteristics of the bulk cable are listed below.



- ◆ Voltage rating: 30V
- ◆ Temperature rating: 80°C
- ◆ Impedance: Differential mode: 100 +10/-5 ohm @TDR
- ◆ Delay Skew(INTRA-SKEW): 50ps/5m max
- ◆ Signal Twin-ax pair cable: Solid Ag plated copper conductor
- ◆ Braid shielding coverage 85% min
- ◆ Jacket material: LSZH or PVC

Mechanical Dimensions

