

S25G-SP28-DAC

25G SFP28 Direct Attach Passive Cable

Description:

The **S25G-SP28-DAC** SFP28 passive copper cable offers a high-speed and economical solution for 25Gbps Ethernet connectivity, addressing the increasing demand for greater bandwidth in data centers.

The **S25G-SP28-DAC** cable consists of a single high-speed copper pair capable of operating at speeds up to 25 Gbps. It complies with the IEEE P802.3 Ethernet standard and the SFF-8402 SFP28 standard. Each SFP28 connector includes an EEPROM that stores product information accessible to the host system.

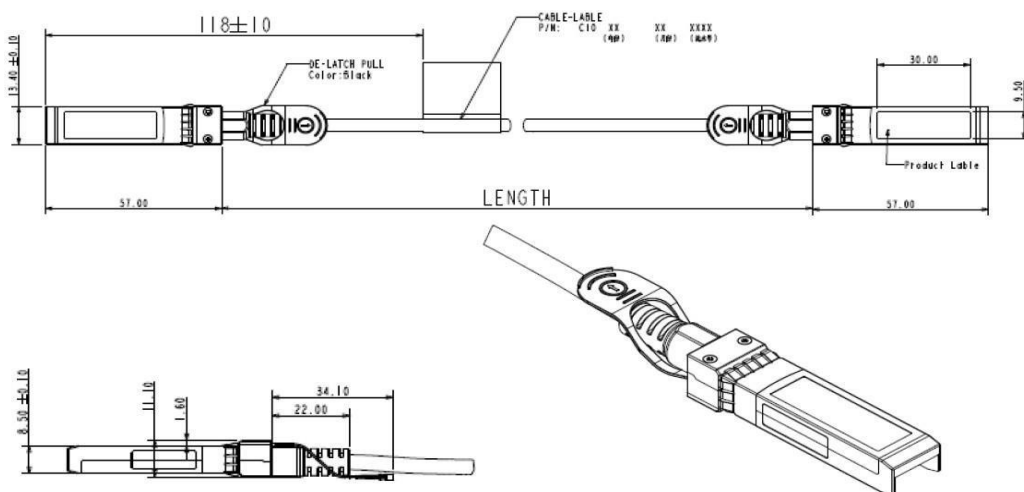
Features:

- Up to 25Gbps data rate
- Hot pluggable
- Supports IEEE 802.3
- Copper link length up to 5 m
- Single +3.3V supply voltage
- Operating case temperature: 0~70°C
- SFF-8402 compliant tested in end-to-end system
- RoHS compliant

Applications:

- ✧ 25G Gigabit Ethernet
- ✧ Switches, Routers and HBAs
- ✧ Data Centers

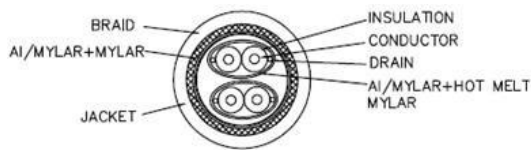
Mechanical dimensions:



Recommended operating environment:

Parametr	Min.	Max.
Storage Temperature	- 40 °C	+ 85 °C
Operating Case Temperature	0 °C	+ 70 °C
Power Supply Voltage	3.14 V	3.47 V

Bulk cable characteristics:



- Voltage rating: 30 V
- Temperature rating: 80 °C
- Impedance: Differential mode 100 +10/-5 ohm @TDR
- Copper link length up to 5 m
- 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

Ordering information:

Length	AWG	Diameter	Minimum Bend Results	Cable Color	Description
0.5m	30	4.5 ±0.2 (PVC)	Single bend: 22.5mm Repeated bend: 45mm	Black	Passive Copper cable, ETH, up to 25Gb/s, SFP28, 0.5m, 30 AWG
1m					Passive Copper cable, ETH, up to 25Gb/s, SFP28, 1m, 30 AWG
2m					Passive Copper cable, ETH, up to 25Gb/s, SFP28, 2m, 30 AWG
3m	28	4.7±0.3mm (PVC)	Single bend: 23.5mm Repeated bend: 47mm		Passive Copper cable, ETH, up to 25Gb/s, SFP28, 3m, 28 AWG
5m	26	5.2 ±0.3 mm (PVC)	Single bend: 26mm Repeated bend: 52mm		Passive Copper cable, ETH, up to 25Gb/s, SFP28, 5m, 26 AWG

Ordering code:

S25G – SP28-DAC – dd – XX¹

1) Code of switch producer

Examples of ordering code:

Code	Description
S25G-SP28-DAC-100-ASR	25G SFP28 DAC passive cable, 1 m, Cisco
S25G-SP28-DAC-200-ASR	25G SFP28 DAC passive cable, 2 m, Cisco
S25G-SP28-DAC-300-ASR	25G SFP28 DAC passive cable, 3 m, Cisco
S25G-SP28-DAC-500-ASR	25G SFP28 DAC passive cable, 5 m, Cisco

dd code [-]	Distance [m]
050	0.5
100	1
200	2
300	3
500	5