

# 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.



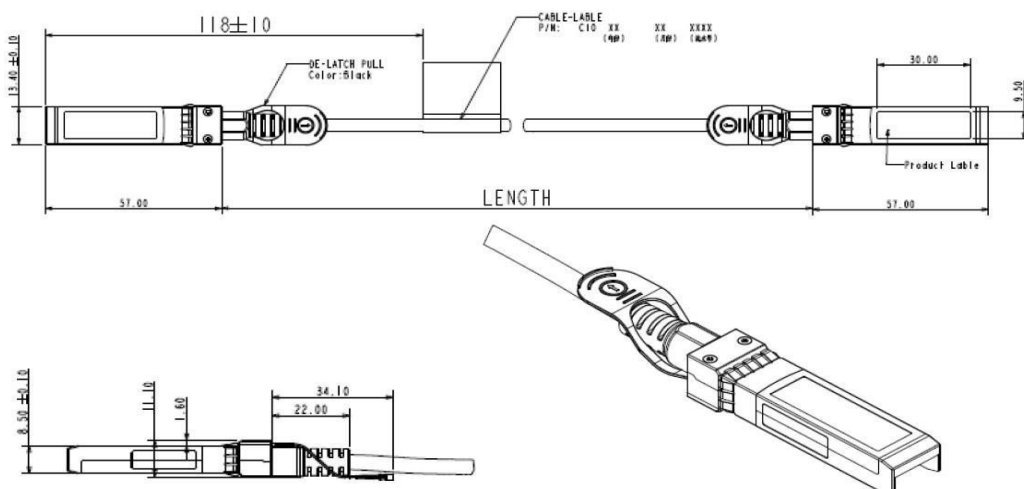
### Features:

- 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

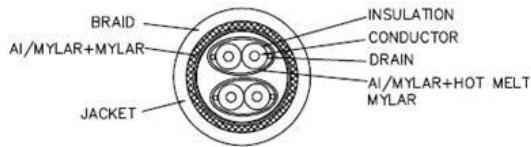
### Mechanical dimensions:



### 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 materiál: LSZH or PVC

### Ordering information:

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

### Ordering code:

## S25G – SP28-DAC – dd – XX<sup>1</sup>

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            |