

# 4L-SFP28C

SFP28 25GBASE, Passive Direct Attach Cooper Twinax Cable



## Applications

- 25GBASE Ethernet
- Enterprise and Datacenter Networks
- Fibre Channel over Ethernet
- Other optical links

## Features

- SFP28 25G SFF8402 Compliant
- Passive Copper Cable Transceiver
- SFP28 MSA Compliant
- Up to 25Gbps
- IEEE 802.3by Compliant
- Digital Diagnostic Monitoring
- RoHS and Lead Free
- Operating temperature: 0°C ~ +70°C

## Description

The 4L-SFP28C series are a passive Direct Attach Cables (DAC) with SFP28 25Gbps transceivers for data communications such as 25GBASE defined by IEEE 802.3by.

4LAN's DAC cables are designed to connect switches, routers, servers or storage with high performance in a cost effective way.

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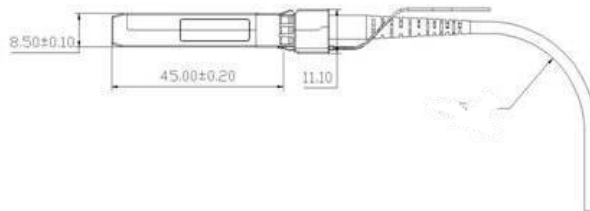
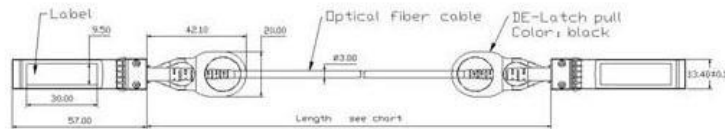
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## Absolute Maximum Ratings

Parameter	Symbol	Min	Recommended	Max
Max. Link Length	$l_{max}$			1M, 2M, 3M, 4M and 5M
Data Rate	Gbps			25Gbps
Storage Temperature	$T_c$	-40°C		+85°C
Operating Case Temperature	$T_c$	0°C		+70°C
Supply Voltage	$V_{cc}$	3.14V	3.3V	3.47V

## Mechanical Specifications



Cable Gauge	Diameter	Minimum Bend Radius (R)	Minimum Bend Space (L)
30 AWG	4.2mm	33mm	72.5mm
26 AWG	5.2mm	46mm	72.5mm
24 AWG	6.0mm	42mm	85.25mm

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## Mechanical Specifications

Plug	
Backshell Material	Nickel-Plated Zinc Diecast
Contact Material	PCBwith Gold-Plated Pads
Latch	Positive Latching w/Pull
Insertion Force	30N Max
Withdrawal Force	20N Max
Retention Force	90N Max
Durability	50 Cycles Min
Cable	
Conductor	Solid
Wire Gauge	AWG30, AWG28, AWG26, AWG24
Impedance	100±5 ohms
Cable OD	AWG 30 :4.2mm
	AWG 28 :4.7mm
	AWG 26:5.2mm
	AWG 24: 6.0mm
Jacket Type	PVC
Bend Radius	5X Cable OD

## General Specifications

Electrical	
Min. Dielectric Withstand Voltage	300 VDC
Insulation Resistance	1000 Mohms
Current Rating	0.5 Amp Min/Signal Contact
General	
Operating Temperature	0 to 70°C
Flammability Rating	UL 94 V-0
Green Features	RoHS, Lead-Free
Shield	Braid/Foil

## Ordering Information

Part Number	Description
4L-SFP28C1	SFP28 25G DAC Passive Cable, AWG30, 1m
4L-SFP28C2	SFP28 25G DAC Passive Cable, AWG30, 2m
4L-SFP28C3	SFP28 25G DAC Passive Cable, AWG30, 3m
4L-SFP28C4	SFP28 25G DAC Passive Cable, AWG30, 4m
4L-SFP28C5	SFP28 25G DAC Passive Cable, AWG26, 5m

### Note

This modules have been tested by 4LAN on equipments like Cisco, Juniper, Dell, HP, Mikrotik, Huawei, and other brands. The equipment brand must be informed before shipping the order, so the transceivers are reprogrammed to the corresponding brand.

### Contact Information

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