

Active Copper Cable

25G SFP28



Key Features

- Support 25.78125G NRZ
- Single Wire Size: 26AWG~30AWG
- Maximum power consumption:<0.3W each end
- Case temperature range: 0°C to 70°C
- 3.3V Power Supply
- Hot Pluggable
- RoHS Compliance



Applications

- Data center & Networking Equipment
- Servers/Storage Devices
- High Performance Computing (HPC)
- Switches/Routers

Supported Standards

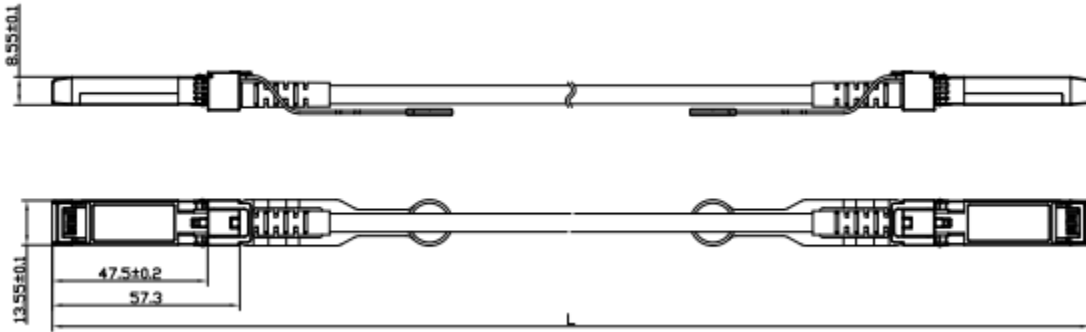
- SFP28 MSA
- SFF 8432,SFF 8402
- IEEE 802.3by
- IEEE 802.3bj

Ordering Information

LFPP-UU1xxxC		25G SFP28 to 25G SFP28 (5.5m~9m)		
Ordering P/Ns	Description	Length	AWG	Cable
LFPP-UU1065C	25G SFP28 to 25G SFP28 ACC	6.5m	26AWG	PVC Black
LFPP-UU1055C	25G SFP28 to 25G SFP28 ACC	5.5m	28AWG	PVC Black
LFPP-UU1090C	25G SFP28 to 25G SFP28 ACC	9m	26AWG	PVC Black

xxx define ACC cable length

Mechanical Outline



Absolute Maximum Ratings

Parameter	Symbol	Unit	Min.	Typ.	Max.	Notes
Supply Voltage	Vcc	V	-0.4	-	+3.6	
Storage Temperature	TS	°C	-40	-	85	
Operating Case temperature	TOP	°C	0	-	70	
Operating Humidity	RH	%	5	-	85	

Recommended Operating Conditions

Parameter	Unit	Min.	Typ.	Max.	Notes
Operating Case Temperature	°C	0		70	
Supply Voltage	V	3.135	3.3	3.465	
Bit Rate	Gb/s		25		

SFP28 PIN Function Definitions

Pin	Logic	Symbol	Description
1		VeeT	Module Transmitter Ground
2	LVTTL-O	Tx_Fault	Module Transmitter Fault
3	LVTTL-I	Tx_DIS	Transmitter Disable; Active High Disable Transmitter Output
4	LVTTL-I/O	SDA	2-Wire Serial Interface Data
5	LVTTL-I/O	SCL	2-Wire Serial Interface Clock
6		Mod_ABS	Module Absent, connected to VeeT or VeeR in the module
7	LVTTL-I	RS0	Rate Select0, optionally controls SFP+ module receiver
8	LVTTL-O	RX_LOS	Receiver Loss of Signal Indication
9	LVTTL-I	RS1	Rate Select1, optionally controls SFP+ module transmitter
10		VeeR	Module Receiver Ground
11		VeeR	Module Receiver Ground
12	CML-O	RD-	Receiver Inverted Data Output
13	CML-O	RD+	Receiver Non-Inverted Data Output
14		VeeR	Module Receiver Ground
15		VccR	Module Receiver 3.3V Supply
16		VccT	Module Transmitter 3.3V Supply
17		VeeT	Module Transmitter Ground
18	CML-I	TD+	Transmitter Non-Inverted Data Input
19	CML-I	TD-	Transmitter Inverted Data Input
20		VeeT	Module Transmitter Ground

SFP28 Electrical Pad Layout

