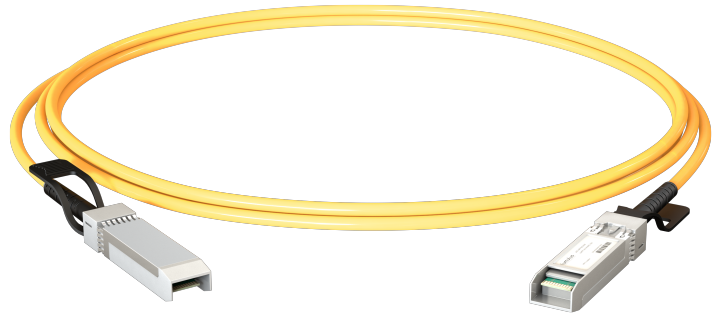


# Active Optical Cable

## 25G SFP28



### Key Features

- Data rate up to 25.78125Gb/s
- 850nm VCSEL transmitter and PIN receiver
- 3.3V power supply
- Maximum power dissipation:1W per end
- Operation case temperature: 0 to 70°C
- Maximum link length of 70m on OM3 and 100m on OM4 MMF
- RoHS compliant

### Applications

- 25G Ethernet
- Enterprise, Data Center
- Switches, Routers



### Supported Standards

- SFP28 MSA
- IEEE 802.3by

### Ordering Information

LAPP-UU1xxxC		25G SFP28 to 25G SFP28 AOC (1m~100m)		
Ordering P/Ns	Description	Length	WL (nm)	Fiber Type
LAPP-UU1010C	200G QSFP56 to 200G QSFP56 AOC	1m	850nm	LSZH MMF
LAPP-UU1100C	200G QSFP56 to 200G QSFP56 AOC	10m	850nm	LSZH MMF
LAPP-UU1X10C	200G QSFP56 to 200G QSFP56 AOC	100m	850nm	LSZH MMF

xxx define AOC cable length



## Characteristics

All performance is defined over the recommended operating environment unless otherwise specified

Parameter	Unit	Min.	Typical	Max.	Note
Transmitter					
Data Input Swing Differential/TX	mV	300		800	
Date Differential Impedance	Ω	90	100	110	
Receiver					
Data Output Swing Differential/RX	mV	300		900	
Data Differential Impedance	Ω	90	100	110	

## 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

For detail mechanical information, please refer to the related document of SFP28 MSA.

