

Product Features:

- Up to 100Gb/s bi-directional data rate
- Up to 5m reach in various AWG cable with PVC jacket
- Robust cable design and strain relief
- Maximum EMI shielding for signal integrity
- EEPROM capability
- Maximum power consumption 0.1W
- Commercial (0°C to 70°C) operating temperature
- Hot pluggable
- Thermoplastic pull-to-release tab



Applications:

- 100G Ethernet
- Data center server interconnect

Compliance:

- QSFP MSA
- IEEE 802.3by
- IEEE 802.3bj
- SFF-8836
- SFF-8661
- SFF-8665
- 80C VW1 (flame rating)/UL CL2
- EIA 8417
- RoHS

Operating Conditions

Parameter	Symbol	Min	Typ	Max	Unit	Notes
Operating Case Temperature	T _{OP}	0	-	70	degC	
Power consumption	P _W	-	-	0.1	W	
Power Supply Current	I _{CC}	-	0.2	2	mA	
Power Supply Voltage	V _{CC}	2.95	3.3	3.6	V	
Electrical Data Rate	-	25.78125			GBd	4 Lanes
Bit Error Ratio	BER	1x10 ⁻¹²	-	-	-	
Cable Differential Impedance	-	95	100	110	Ω	
Cable Outer Diameter	-	-	6.73	-	mm	30AWG
Cable Outer Diameter	-	-	9.78	-	mm	26AWG
Cable Bend Radius (see below)	-	-	45	-	mm	30AWG
Cable Bend Radius (see below)	-	-	60	-	mm	26AWG
Cable Length Tolerance (see below)	-	-2%	-	+2%	-	

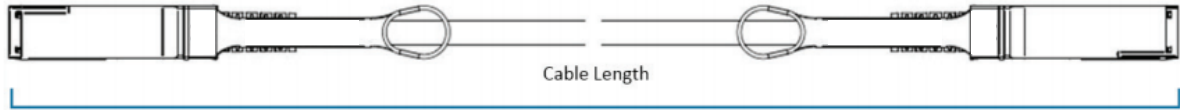


Figure 1. Cable Length Definition

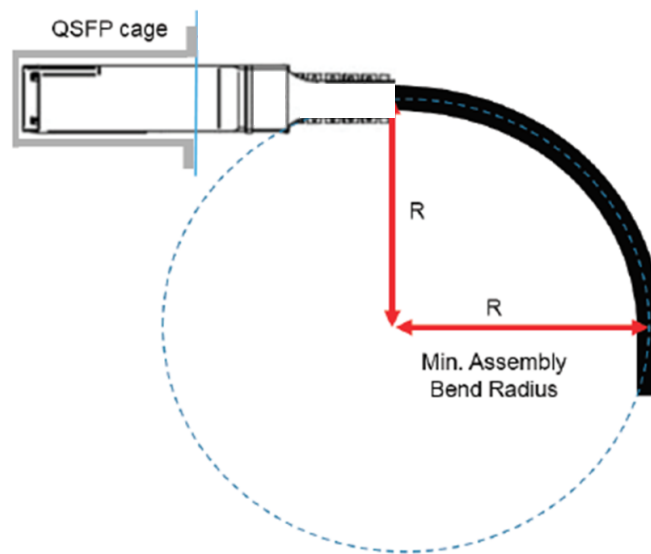


Figure 2. Bend Radius

Product Ordering Information

Part Number	Description
PRE-QSFP28-CU3001M	QSFP28, 100Gb/s, 1m, 30AWG, Passive
PRE-QSFP28-CU3002M	QSFP28, 100Gb/s, 2m, 30AWG, Passive
PRE-QSFP28-CU3003M	QSFP28, 100Gb/s, 3m, 30AWG, Passive
PRE-QSFP28-CU2604M	QSFP28, 100Gb/s, 4m, 26AWG, Passive
PRE-QSFP28-CU2605M	QSFP28, 100Gb/s, 5m, 26AWG, Passive