

LinkX™ 10GbE Passive Copper Cables



Overview

Mellanox's LinkX SFP+ passive copper cables provide robust connections for leading edge 10GbE systems. Passive copper cables require no additional power to ensure quality connectivity. The cables are compliant with SFF-8431 specifications and provide connectivity between devices using SFP+ ports. The cables use state-of-the-art signal processing technology to fill the expanding need for cost effective data center interconnects. Mellanox unique quality passive copper cable solutions provide power-efficient replacement for active power connectivity such as fiber optic cables. Rigorous cable production testing ensures best out-of-the-box installation experience, performance and durability.

Optimizing systems to operate with Mellanox's LinkX 10GbE passive copper cables significantly reduces power consumption and EMI emission, eliminating the use of EDC hosts.



Table 1 - Cable Specifications and Ordering Information

Maximum Reach [m]	Cable Diameter [mm]	Minimum Bulk Bend Radius [mm]	Length Tolerance [mm]	Ordering Part Number
0.5	4.5	25	+100	MC3309130-00A
1	4.5	25	+100	MC3309130-001
2	4.5	25	+100	MC3309130-002
3	4.5	25	+100	MC3309130-003
5	6.5	35	+100	MC3309124-005
7	6.5	35	+100	MC3309124-007

HIGHLIGHTS

- Compliant with SFF-8431
- Up to 7m 10Gb/s data rates
- Ultra low crosstalk for improved performance
- Low insertion loss
- BER better than 10⁻¹⁵
- Serial numbers printed on each end
- Tested in an end-to-end system
- RoHS 6 Compliant

Table 3 - Operating Conditions

Parameter	Minimum	Typical	Maximum	Units
Supply Voltage	3.15	3.3	3.45	V
Data Rate per Lane	1.0		10.5	Gb/s
Operating Voltage		3.3		V
Operating Case Temperature	0°C		70°C	
Storage Ambient Temperature	-10°C		75°C	

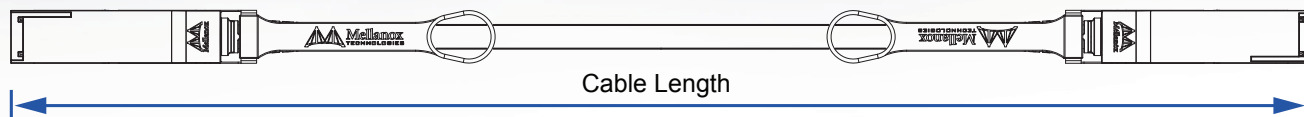


Figure 1. Mechanical Drawings and Information

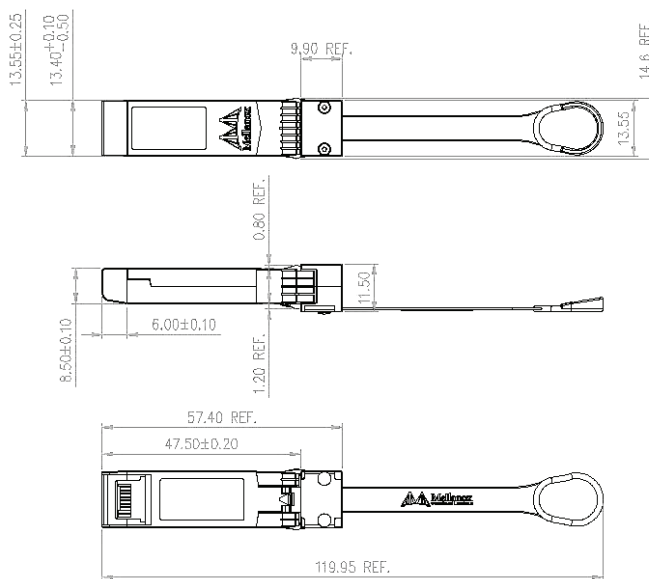


Figure 2. Mechanical Drawings and Information

Warranty Information

Mellanox's LinkX Passive Copper 10Gb/s SFP+ cables include a 1-year limited hardware warranty, which covers repair or replacement.

Additional Information

For more information about Mellanox's LinkX SFP+ cable solutions, please contact your Mellanox Technologies sales representative or visit: <http://www.mellanox.com=>Products=>Cables=>Cables Overview>



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