



40GbE to 4x10GbE (QSFP+ to 4xSFP+) Direct Attach Copper Splitter Cable

MC2609125-xxx | MC2609130-xxx | MCP790x-XxxxA

Mellanox's QSFP+ to 4x SFP+ passive, copper, splitter cables are 40GbE to 10GbE cable assemblies. The cables are compliant with SFF-8418/8419 and SFF-8685/8436 specifications and provide connectivity between devices using QSFP+ port on one end and four SFP+ ports on the other end.

Mellanox's 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.

Table 1 - Absolute Maximum Ratings

Parameter	Minimum	Maximum	Units
Operating voltage	-0.3	3.65	V
Input voltage	-0.3	3.65	V

Table 2 - Operational Specifications

Parameter	Minimum	Typical	Maximum	Units
Supply voltage (Vcc)	3.15	3.3	3.45	V
Data rate per lane	1	---	10.5	Gb/s
Operating temperature	0	---	70	°C
Storage ambient temperature	-10	---	75	°C

Table 3 - Cable Specifications and Ordering Information

Maximum Reach @ 10Gb/s (meters)	Cable Diameter QSFP+/SFP+	Part Number
1	6.1mm / 4.5mm	MC2609130-001
3	6.1mm / 4.5mm	MC2609130-003
5	9.3mm / 6mm	MC2609125-005

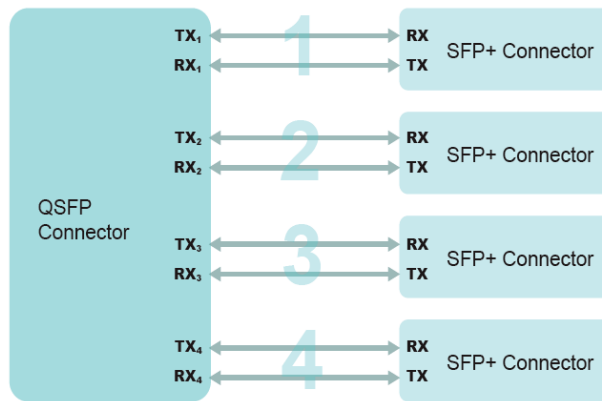


LinkX™
CABLES
TRANSCEIVERS
COMPONENTS

HIGHLIGHTS

- 40GbE to 4x10GbE data rate
- SFF-8685/8436 compliant
- Operating case temperature of 0-70°C
- 3.3V power supply
- BER better than 1E-15
- Hot pluggable
- RoHS compliant
- SFF-8431/8432 compliant

Cable Splitter Schematics: QSFP+ to 4xSFP+



Note: No polarity inversion is allowed.

Figure 1. Cable Length Definition

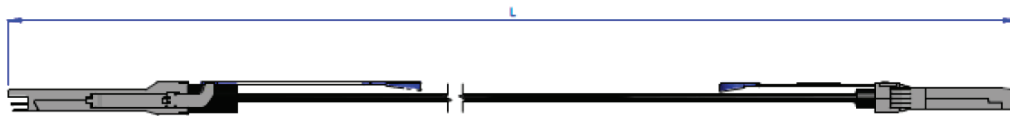


Table 4 - Part Number and Description

OPN	Description
MC2609130-001	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1m
MC2609130-003	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 3m
MC2609125-005	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 5m
MCP7900-X01AA	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1.5m, Blue Pulltab, customized label
MCP7904-X002A	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 2m, Black Pulltab, customized label
MCP7904-X01AA	Mellanox® passive copper hybrid cable, ETH 40GbE to 4x10GbE, QSFP to 4xSFP+, 1.5m, Black Pulltab, customized label

Note 1. See Figure 1 for the cable length definition.

Warranty Information

Mellanox LinkX DAC cables include a 1-year limited hardware warranty, which covers parts repair or replacement.



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