



200Gb/s HDR to 2x100Gb/s HDR100 (QSFP56 to 2xQSFP56) Direct Attach Copper Splitter Cable



MCP7H50-Hxxxxyz

LinkX[™]
CABLES
TRANSCIVERS
COMPONENTS

Mellanox[®] MCP7H50 passive copper cable is a high speed, cost-effective 200Gb/s HDR to 2x100Gb/s HDR100 InfiniBand connectivity solution designed for the growing need for higher bandwidth in data centers.

The 200G HDR end is configured as 4 channels x 50G PAM4 in a QSFP56 shell. The HDR100 side splits off 2 channels x 50G PAM4 into two separate QSFP56 ends operating at 100Gb/s. Each QSFP56 cage comprises an EEPROM providing product information which can be read by the host system.

Mellanox's unique, quality, passive, copper, cable solutions provide power-efficient connectivity for short distance interconnects. They enable higher port bandwidth, density and configurability at a low cost and reduced power requirement in the data centers.

Rigorous cable production testing ensures best out-of-the-box installation experience, performance and durability.

Table 1 - Part Numbers and Descriptions

Part Number	Description
MCP7H50-H001R30	Mellanox [®] passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored pulltabs, 1m, 30AWG
MCP7H50-H01AR30	Mellanox [®] passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored pulltabs, 1.5m, 30AWG
MCP7H50-H002R26	Mellanox [®] passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored pulltabs, 2m, 26AWG
MCP7H50-H02AR26	Mellanox [®] passive copper hybrid cable, IB HDR 200Gb/s to 2x100Gb/s, QSFP56 to 2xQSFP56, colored pulltabs, 2.5m, 26AWG

Note: xxx = reach; y = pulltab color; zz = wire gauge

HIGHLIGHTS

- Supports IBTA IB HDR
- Compliant with SFF-8665
- Up to 200Gb/s data rate
- 4x50G PAM4 modulation
- Ultra low crosstalk for improved performance
- Low insertion loss
- BER better than 1E-15
- Serial numbers printed on each end
- Tested in an end-to-end system
- RoHS compliant
- Halogen free
- Operating case temperature of 0-70°C

Warranty Information

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