



## CABLES

# Hybrid Cable Solutions

Hybrid cables connect network equipment with different connector types. These cables can connect InfiniBand switch or HCA ports with the original microGIGaCN (CX4) connector to equipment with the newer QSFP connector. Hybrid cables also enable Mellanox's VPI adapters and 40 Gigabit Ethernet NICs to connect to 10 Gigabit Ethernet switches with either CX4 or SFP+ ports.

Mellanox cables are a cost-effective solution for connecting high bandwidth fabrics and extends the benefits of Mellanox's high-performance InfiniBand and 10 and 40 Gigabit Ethernet adapters throughout the network. In addition to meeting or exceeding IBTA and IEEE standards, Mellanox Certified cables are 100% tested on Mellanox equipment to ensure optimal signal integrity and the best end-to-end performance. With Mellanox cables you will experience trouble-free installation and long-term operation.

Mellanox passive hybrid cables provide robust connections and require no power from the connector. All cables have easy-to-read serial numbers printed at each end to facilitate installation and network debug.

A list of certified cables available from Mellanox or verified third-part vendors can be found at [www.mellanox.com](http://www.mellanox.com)



## BENEFITS

- Industry-leading price/performance
- Trouble-free installation and network bring-up

## KEY FEATURES

- Compliant to industry standards
  - InfiniBand Architecture specification
  - IEEE 802.3 10GBASE-CX4
  - QSFP MSA SFF-8436
  - SFP+ MSA SFF-8431
- 100% production tested on Mellanox adapters and switches
- Superior signal integrity
- Bit Error Rate (BER) better than  $10^{-15}$
- Low crosstalk
- Low insertion loss
- Matched impedance
- Secure latching mechanism
- Serial numbers printed at each end
- RoHS-5 compliant
- 1-year warranty



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