

40Gb/s QSFP+ to 4x10Gb/s SFP+ 5m Fiber Optics Cable

Features

- Multiple conductor sizes for optimized performance
- Positive retention pull-release latch system
- High-density QSFP+ connector
- Ultra-low crosstalk for enhanced performance
- Cost-effective and optimized for high-speed data center interconnects

Applications

- Ethernet 40G, 10G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- High Performance Networking, Storage, and clusters
- Hubs, switches, routers, servers

Specifications

- IEEE 802.3ba
- Electrical: IBTA V2 Revision 1.2.1

Regulatory Compliance

- SFF-8436 and SFF-8636

Physical and Environmental

- RoHS-6 compliant (lead-free)
- Operating temperature: 0°C to 70°C

Compatible Adapters

- T580-CR
- T580-LP-CR
- T580-SO-CR
- T580-OCP-SO
- T62100-CR
- T62100-LP-CR
- T62100-SO-CR
- T61100-OCP

Overview

Chelsio's OCTCABLE5M-SR 40Gb/s Octopus QSFP+ to 4x10Gb/s SFP+ Fiber Optics Cables are designed and certified for use with Chelsio's 40-Gigabit Ethernet Unified Wire Adapters. The Fiber Optics cables offer a cost-effective and power-efficient cabling solution for high-speed data applications.



The Chelsio OCTCABLE5M-SR fiber optics cable is compatible with Chelsio's T5/T6 based Unified Wire Adapters. The T5/T6 adapters support PCI Express 3.0 host bus interface, and are optimized for storage, cloud computing, HPC, virtualization and other datacenter applications. The fifth-and sixth generation T5/T6 ASIC technology from Chelsio provides the highest performance while dramatically lowering host-system CPU and memory overhead with on-board hardware that offloads TCP/IP, iSCSI, FCoE and iWARP RDMA processing. As a result, the system benefits from higher bandwidth, lower latency and reduced power consumption.

Characteristics

Chelsio's OCTCABLE5M-SR QSFP+ cables are fully compliant with IEEE 802.3ba and IBTA specifications and adhere to RoHS-6 standards. The QSFP+ form factor (Quad SFP+) can replace up to four standard SFP+ connections, providing greater density and reduced system cost.

The T5/T6 Adapters with OCTCABLE5M-SR cables enable a unified wire for LAN, SAN, and cluster traffic. Built upon a combination of high bandwidth and low latency architecture, the T5/T6 solution offers a complete set of storage and cluster protocols operating over Ethernet (iSCSI, FCoE and iWARP). The solution's port-to-port and adapter-to-adapter failover features are ideal for critical applications that require redundancy and high-availability capabilities. Full Software suite was run with these cables and Chelsio recommends using these cables only with Chelsio Adapters to allow the Adapter warranty and support structure to remain intact.

Ordering Information

Model: OCTCABLE5M-SR (40 Gb/s QSFP+ to 4x10Gb/s SFP+ 5m Fiber Optics Cable)

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