

10 Gb/s 1m SFP+ to SFP+ Direct Attach Twinaxial Passive Cable

Features

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

Applications

- Ethernet 10G
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- Networking, Storage
- Hubs, switches, routers, servers

Specifications

- 10 Gigabit Ethernet and Gigabit Ethernet (IEEE 802.3ae)
- Electrical: IBTA V2 Revision 1.3

Regulatory Compliance

- EEPROM: SFF-8472
- SFF-8083, SFF-8431, SFF 8432

Physical and Environmental

- RoHS-6 compliant (lead-free)
- Operating temperature: 0°C to 70°C
- Wire Gauge: 30 AWG
- Insulation Resistance: 1000 Mohms
- Min. Dielectric Withstand Voltage: 300 VDC
- Current Rating: 0.5 Amp Min/Signal Contact
- Insertion Force: 30N Max
- Withdrawal Force: 20N Max

Compatible Adapters

- T520-CR
- T520-LL-CR
- T540-CR
- T520-SO-CR
- T520-OCP-SO
- T6225-CR
- T6225-LL-CR
- T6425-CR
- T6225-SO-CR
- T6225-OCP

Overview

Chelsio's TAPCABLE1M 10Gb/s SFP+ (Small Form-factor Pluggable Plus) Direct Attach Twinaxial Passive Cables are designed and certified for use with Chelsio's 10/25 Gigabit Ethernet Unified Wire Adapters. The Twinaxial cables offer a cost-effective and power-efficient cabling solution for high-speed data applications.

The Chelsio TAPCABLE1M 1meter copper 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 TAPCABLE1M SFP+ cables are fully compliant with IEEE 802.3ae and IBTA specifications and adhere to RoHS and SFF-8472 standards.

The T5/T6 Adapters with TAPCABLE1M 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: TAPCABLE1M (10Gb/s 1m SFP+ to SFP+ Direct Attach Twinaxial Passive Cable)

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