

25 Gb/s 1m SFP28 to SFP28 Direct Attach Twinaxial Passive Cable

Overview

Chelsio's TAPCABLE28-1M 25Gb/s SFP28 Direct Attach Twinaxial Passive Cables are designed and certified for use with Chelsio's 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 TAPCABLE28-1M 1meter copper cable is compatible with Chelsio's T6-based Unified Wire Adapters. The T6 adapters support PCI Express 3.0 host bus interface, and are optimized for storage, cloud computing, HPC, virtualization and other data center applications. The sixth-generation 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, iWARP RDMA, IPsec, TLS/SSL, DTLS and SMB 3.X crypto processing. As a result, the system benefits from higher bandwidth, lower latency and reduced power consumption.

Characteristics

Chelsio's TAPCABLE28-1M SFP28 cables are fully compliant with IEEE 802.3ae (10GbE) and IEEE 802.3by (25GbE) specifications and adhere to RoHS-6 standards.

The T6 Adapters with TAPCABLE28-1M cables enable a unified wire for LAN, SAN, and cluster traffic. Built upon a combination of high bandwidth and low latency architecture, the T6 solution offers a complete set of storage and cluster protocols operating over Ethernet (iSCSI, FCoE and iWARP). T6 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: TAPCABLE28-1M (25Gb/s 1m SFP28 to SFP28 Direct Attach Twinaxial Passive Cable)

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Features

- 25G Ethernet maximum bit rate
- Multiple conductor sizes for optimized performance
- Positive retention pull-release latch system
- High-density SFP28 connector
- Ultra-low crosstalk for enhanced performance
- Cost-effective and optimized for high-speed data center interconnects
- Positive Latching with Pull Tab

Applications

- 25GBASE-CR Ethernet
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- High Performance Networking, Storage, and clusters
- Hubs, switches, routers, servers

Specifications

- IEEE 802.3ae (10GbE)
- IEEE 802.3by (25GbE)

Regulatory Compliance

- EEPROM: SFF-8472
- SFF-8402, SFF-8419, 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
- Typical cable length: 1M

Compatible Adapters

- T6225-CR
- T6225-LL-CR
- T6225-SO-CR
- T6225-OCP
- T6425-CR