

# QTAPCABLE28-1M

## 100 Gb/s 1m QSFP28 to QSFP28 Direct Attach Twinaxial Passive Cable

### Features

- Multiple conductor sizes for optimized performance
- Positive retention pull-release latch system
- High-density QSFP28 connector
- Ultra-low crosstalk for enhanced performance
- 100G Ethernet maximum bit rate
- Telecom and wireless infrastructure
- Cost-effective and optimized for high-speed datacenter interconnects

### Applications

- 100GBASE-CR4 100G Ethernet
- Rack-to-Rack, Shelf-to-Shelf Interconnect
- High Performance Networking, Storage, and clusters
- Hubs, switches, routers, servers

### Specifications

- IEEE 802.3ba (40/100GbE)
- IEEE 802.3bj 100GBASE-CR4

### Regulatory Compliance

- SFF-8665, SFF-8436

### Physical and Environmental

- RoHS-6 compliant (lead-free)
- Operating temperature: 0°C to 70°C
- Single 3.3V power supply
- Typical link length of 1M
- Wire Gauge: 30 AWG
- Insulation Resistance: 1000 Mohms

### Compatible Adapters

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

### Overview

Chelsio's QTAPCABLE28-1M 100Gb/s QSFP28 to QSFP28 Direct Attach Twinaxial Passive Cables are designed and certified for use with Chelsio's 100 Gigabit Ethernet Unified Wire adapters. These Twinaxial cables offer a cost-effective and power-efficient cabling solution for high-speed data applications.



The Chelsio QTAPCABLE28-1M 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 QTAPCABLE28-1M QSFP28 cables are fully compliant with IEEE 802.3ba, IEEE 802.3bj specifications and adhere to RoHS-6 standards.

The T6 adapters with QTAPCABLE28-1M 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: QTAPCABLE28-1M (100Gb/s 1m QSFP28 to QSFP28 Direct Attach Twinaxial Passive Cable)

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