

QuickNet™ HDQ Base-16 Fiber Cassette

SPECIFICATIONS

Pre-terminated HDQ (High Density QuickNet) series fiber optic cassette shall comply with IEEE 802.3ae 10 GbE and ANSI T11.2 Fibre Channel requirements. Optimized cassettes shall provide insertion loss no greater than 0.5dB to meet IEEE 802.3ae max. channel loss specification of <2.6dB. Cassettes shall employ high performance Base-16 MPO Connectors on the rear of the units and route to sixty-four duplex LC adapters on the patch field side. Adapter housing colors shall follow TIA/EIA-568-C.3 suggested identification scheme. High density cassettes shall mount into 19-inch wide telecommunications racks, allowing 128-fiber connections to be deployed in one rack unit (1 RU) without additional support infrastructure.



TECHNICAL INFORMATION

Standards requirements:	Connectivity meets or exceeds TIA/EIA-568-C.3 performance requirements Supports IEEE 802.3ae (10 Gigabit Ethernet) and ANSI T11.2 (Fibre Channel) channel and link specifications MPO connector exceeds TIA/EIA-455-21A: 1000 mating cycles (multimode)
Split sleeve material:	Zirconia ceramic
Link loss:	Optimized (per fiber): 0.5dB max.
Return loss:	Per fiber >30dB

KEY FEATURES AND BENEFITS

High-density design:	Maximizes density with up to 128-fiber connections in 1 RU for efficient utilization of rack space; design features provide lower total cost of ownership; reduces or eliminates the need for additional infrastructure support
Verified optical performance:	100% tested; provides consistent high performance and reliability for improved network integrity
Pre-terminated modular cassette system:	Provides improved reliability and quick deployment to reduce installation time and cost
Consistent port labeling mapping from switch blade to patch field:	Product configurations port mapped specifically for a Gen7 FC64 SAN Director
QuickNet product identification:	Data label on each product includes port identification and Q.C. number for quick identification and 100% traceability

APPLICATIONS

The QuickNet HDQ Series Fiber Optic Cassette is a component of the QuickNet Fiber Optic Cabling System. QuickNet HDQ Series Fiber Optic Cassettes are used in high-density network applications as specified in the Data Center Cabling Standard TIA 942 for cross connects in main distribution, horizontal distribution, and equipment distribution areas. The QuickNet Pre-Terminated Cabling System meets the demands of high-speed fiber channel systems. QuickNet HDQ Series Fiber Optic Cassettes are pre-terminated and designed to mount into 19-inch wide telecommunications racks allowing 128 fiber connections to be deployed in one rack unit (1 RU) without additional support infrastructure. This ensures efficient use of space, quick deployment, and the highest reliability for the lowest installed cost. This space saving one rack unit package provides port mapped compatibility with the Gen7 SAN Director Port Replication market. The Panduit High Density Fiber Cassette solution will provide increased access between ports, thus enabling the ease of moves, adds, and changes.

QuickNet HDQ Base 16 Fiber Cassette

F1RBZO-7B16-10U

QuickNet Cassette MPO Cleaning Tool

For all MPO connectors: FIBCCCT