

MPO Base12 Cassettes - Multimode



CSD's multimode MPO cassettes provide the interconnection between an MPO trunk cable and LC duplex patch cable. Up to 12 high-density cassettes, or 144 fibers, can be easily integrated into a 1RU Base12 panel. Each cassette features 6 LC duplex adapter ports on the front side for patch cable connections, and a single 12f MPO adapter port on rear for trunk cable connection. OM4 (multimode) 50/125 μm fiber design offers extended bandwidth for duplex and parallel applications, and is backward compatible with OM3 cabling systems. Unique duplex shutters ensure the end faces of connectors are never compromised with unwanted dust.

CSD's multimode Base12 cassettes are offered in both TIA 568.3-D Method A and Method B compliant designs. Method A solutions utilize the same Type A cassette on each link end, and manage polarity with A-A and A-B patch cords. Method B solutions utilize the same Type B cassette on each link end, and manage port location by flipping the cassette at one link end during installation. Method B maintains polarity utilizing A-B patch cords throughout.

Features & Benefits

- Quickly couples trunk and patch cable interconnections
- Modular, and scalable cassette solution
- Low-loss duplex LC and MPO ports
- All-front access to patch connections
- Shuttered LC ports for dust protection
- High performance, bend-insensitive fiber
- Optimized for tool-less cable terminations
- Supports 10/25/40/50/100/200G migration

Applications

- High-density architectures
- Data centers
- Storage area networks
- High-speed computing

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Specifications

General	
Fiber Count/Port Count	12/6
Front Adapter Type	Shuttered LC
Front Adapter Color	Aqua (std loss OM4); magenta (low loss OM4)
Rear Adapter Type	Type A: TIA/EIA 604-5 MPO, opposed key. Type B: TIA/EIA 604-5 MPO, aligned key
Rear Adapter Color	Type A (black, opposed key) or Type B (gray, aligned key)
Polarity	TIA 568.3-D Type A or Types B
MPO Configuration	Internal MPO connector is unpinned.

Optical Performance	
Standard Loss	0.50dB (OM4)
Low Loss	0.35dB (OM4)

Ordering Information

Description	Part Number
Base12 Cassettes	
12F, OM4 Bend insensitive, Type A standard, aqua	CST-12M4AMFSXAESL
12F, OM4 Bend insensitive, Type A low loss, magenta	CST-12M4AMFSXAYLL
12F, OM4 Bend Insensitive, Type B standard loss, aqua	CST-12M4BMFS4AESL
12F, OM4 Bend Insensitive, Type B standard loss, magenta	CST-12M4BMFS4AYLL

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