

Momentum[®] 2

Modular pre-terminated fibre optic cabling solutions



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Momentum 2, Ortronics next generation modular pre-terminated fibre optic cabling solutions, are designed for use in mission critical data centres, storage area networks, and local area network environments. Momentum 2 improves upon the success of the popular first generation Momentum products from Ortronics through enhancements including:

- Increased cable plant loss budget through reductions in DMD, insertion loss and modal noise
- Improved ease of use
- Simplified systems design
- Industry leading support of today's most demanding optical applications

Ortronics combines state-of-the-art optical ribbon cabling, industry leading MTP* termination techniques, advanced LC polishing and the industry's favorite hardware to create the simplest, quickest, highest performance cassette based structured cabling system available.

*MTP is a registered trademark of USConec.

BENEFITS

- Provides quick and easy deployment, adds, moves and changes, eliminating costly field installation time
- Maximum port density conserves rack space
- Low insertion loss combined with ultra low differential mode delay (DMD) enhances 10 Gig performance
- Lowest insertion loss cassette modules support high optical performance in installed links. For current specification, visit: www.ortronics.eu
- MTP to MTP ribbon backbone cables offered in 12 and 24 fibre count options
- Fits in all Ortronics rack mount cabinets and raised floor patch panels



Ortronics is a member
of the Cisco Technology
Developer Programme



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ORDERING INFORMATION

Momentum 2: Cassettes



1 unit, 4900/500 MHz-km.

OR-M2CLQ24-50E

Part No.	Description	Connector	Fibres
OR-M2LCQ24-50E	50/125 LOMF* OM3	LC Quad 1 MTP with pins	24
OR-M2LCD12-50E		LC Duplex 1 MTP with pins	12
OR-M2SCD12-50E		SC Duplex 1 MTP with pins	12
OR-M2LCQ24-09	Single-mode	LC Quad 1 MTP with pins	24
OR-M2LCD12-09		LC Duplex 1 MTP with pins	12
OR-M2SCD12-09		SC Duplex 1 MTP with pins	12

* Note: For additional fibre count* cable assy product, please contact us

MTP to MTP Ribbon Backbones



OFNP plenum rated.

OR-TOBLLAFFZAAxxxM

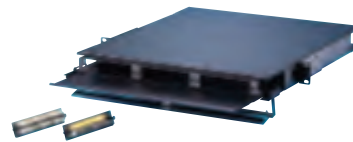
Part No.	Description
OR-TOBLLAFFZAAxxxM	Cable assy 12 fibre, 50/125, 2/5 GHz-km, RBN, LSZH, aqua
OR-TOBLIAFCZAAxxxM	Cable assy 12 fibre, 9/125, RBN, LSZH, yellow

Note: Replace xxx with length (xxxM for ordering in metres, xxxF for ordering in feet).

*Effective Mode Bandwidth: 2000/500 (MHz-km) @ 850/1300 nm

Contact Ortronics sales for assistance.

Fibre Cassette Enclosures



Rack Mount Fibre Cabinet, Black.

OR-FC01U-P

Part No.	Rack Units	Cassette Capacity
OR-FC01U-P	1	3
OR-FC02U-P	2	6
OR-FC03U-P	3	9
OR-FC04U-P	4	12

Patch Cords



Duplex (2 fibre) jumpers, LSZH.

OR-626DF3LL-GG002M

Part No.	Description	Connector	Length (m)	Colour
OR-61150D50001M77C	Laser optimised 50/125	LC-LC	1	Aqua
OR-61150D50002M77C			2	Aqua
OR-61150D50003M77C			3	Aqua
OR-61150D50001M79C	Laser optimised 50/125	LC-SC	1	Aqua
OR-61150D50002M79C			2	Aqua
OR-61150D50003M79C			3	Aqua
OR-626DC2IR-SS001M	Single-mode	LC-LC	1	Yellow
OR-626DC2IR-SS002M			2	Yellow
OR-626DC2IR-SS003M			3	Yellow
OR-626DC2IR-RS001M	Single-mode	ST-SC	1	Yellow
OR-626DC2IR-RS002M			2	Yellow
OR-626DC2IR-RS003M			3	Yellow

It's the System That Counts

The performance of a fibre optic cabling system needs to be viewed from a system standpoint and not just as an assembly of individual components. The high-performance and premium-performance fibre cassettes and associated cabling products such as patch cords and MTP/MPO backbone cables are perfect examples.

The optical loss performance of a modular cassette-based MTP/MPO link is primarily affected by connector end-face polishing and connector end preparation at the factory. Therefore, it is essential that the MTP/MPO backbone cables and patch cords are prepared with a high-quality process that compliments the cassette manufacturing process, otherwise, the expected end-to-end link insertion loss performance will not be realized. Simply put, to achieve improved performance you need high performance or premium cassettes and matching backbone and patch cables.

In addition, the low DMD Gigalite 10-XB glass fibre used in all Ortronics 50 micron LOMF cassettes allow the ISI (inter-symbol interference) penalty to be reallocated to the channel budget. When used with the corresponding Gigalite 10-XB backbone MTP/MPO cables and patch cords, the system designer can realize a significant loss budget improvement that may be used for additional splices, connections or extended distances runs.

