

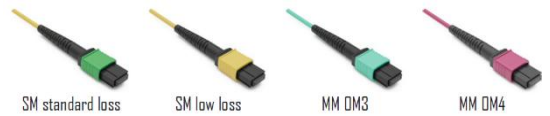
Description **Pre-terminated MPO-MTP[®] cables**



Note: the jacket color is purely indicative

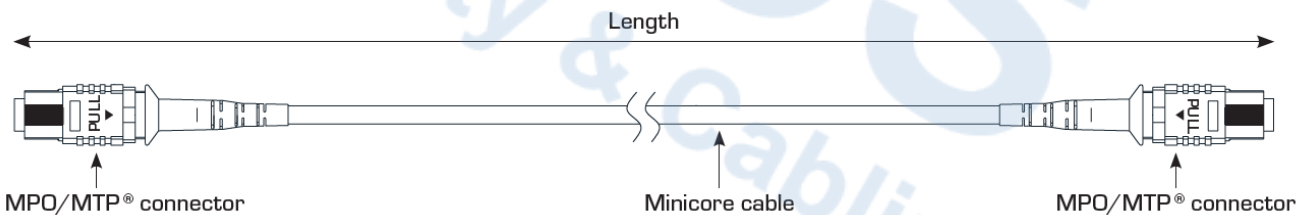


MPO connector coloring



Description

Pre-terminated MPO/MTP[®] cables designed for high-density applications in Data Centers and telecommunications networks. They allow for the rapid interconnection of MPO cassettes, aggregating multiple fibers into a single connector, which reduces occupied space and simplifies cabling management. Ideal for high-performance connections in 10G, 40G, 100G, and 400G systems, they guarantee fast, secure, and easily scalable installations, optimizing network efficiency and reliability.



Cable characteristics

Cable type	Minicore with single or double jacket
Jacket material	LSZH
N. of optical fibers	12 or 24 FO
Fiber optic types	Singlemode G.652.D and G.657.A1; Multimode OM3 and OM4
Outer diameter / Max pulling strength	3 mm / 140N for the single jacket version 4,5 mm / 450N for the double jacket version
Jacket color	Based on the optical fiber type
Euroclass	Cca s1b,d0,a1 or B2ca upon request
Length	From 1 mt to 1000 mt

Termination characteristics

Connector type	MPO/MTP [®] male or female
Connector fiber count	12 or 24 FO
Insertion Loss	Standard: ≤ 0,5 dB for MM ; ≤ 0,75 dB for SM Low loss: ≤ 0,35 dB
Connection polarity	Type A, B or C

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Standards and compliance

Cables and optical fibers	EN 60793 EN 60794-1
Connectors	IEC 61754-7

Fire behavior

CPR regulation	EN 50575 Euroclass Cca s1b,d0,a1 or B2ca upon request
Reaction to fire	EN 50399; EN 60332-1-2
Smoke density	EN 61034-2
Acid gas emission	EN 60754-1/2

External jacket coloring

Fiber 9/125 G.652.D and G.657.A1	Yellow
Fiber 50/125 OM3	Aqua
Fiber 50/125 OM4	Aqua or Erika violet

Cable ordering code

Example of configuration: **M 2 3 A D B B L A 0 0 5 0**

Type	Cable	Fibre	Cable colour	Number of fibres	First connector	Second connector	Loss	Polarity	Length
M Cables MPO/MTP	1 Minicore single jacket LSZH Cca	9 9/125 G652D 3 50/125 OM3	Y Yellow (only for 9/125)	D 12 F 24	A MPO-F B MPO-M C MTP-F D MTP-M	A MPO-F B MPO-M C MTP-F D MTP-M	S Standard loss L Low loss E Elite	A Type A B Type B C Type C	X X X mt
	2 Minicore double jacket LSZH Cca	4 50/125 OM4 A 9/125 G657A1	A Aqua (only for OM3/OM4) E Erika (only for OM4)						

Configuration example: **M 2 3 A D B B L A 0 0 5 0**

MPO cable, minicore double jacket LSZH Cca, 50/125 OM3, aqua, 12 fibers, MPO-M/MPO-M, low loss, Type A polarity, length 5 m

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Polarity examples

