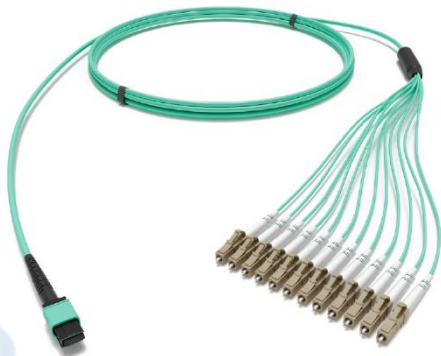


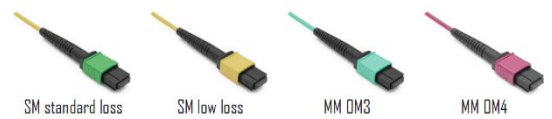
Description **Pre-terminated multi-fiber fan-out MPO/MTP[®] – LC/SC cables**



Note: the jacket color is purely indicative

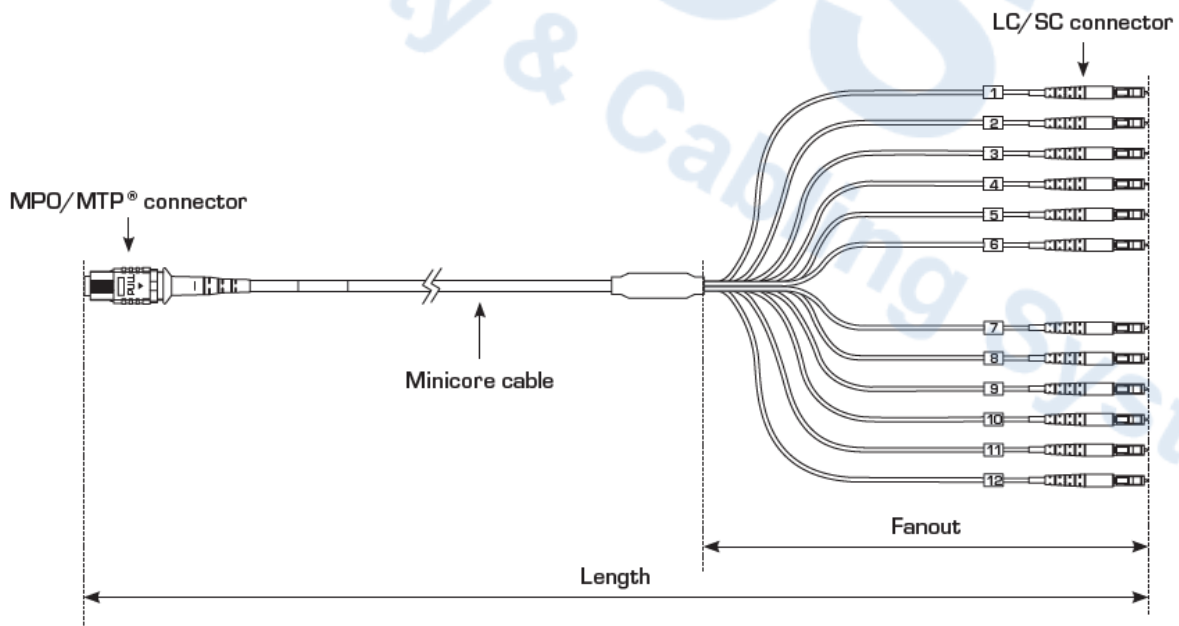


MPO connector coloring



Description

Minicore MPO/MTP[®]-LC/SC fan-out cables are pre-terminated fiber optic solutions designed to convert high-density MPO/MTP[®] multi-fiber connections into individual LC or SC interfaces. Ideal for linking MPO/MTP[®] backbone cabling to network equipment or optical modules, they enable fast installation, reduce cabling time, and ensure neat and efficient fiber management while delivering high optical performance and reliable connectivity for high-density networks and data centers.



Cable characteristics

Cable type	Minicore with single or double jacket
Jacket material	LSZH
N. of optical fibers	8, 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
Fan-out	L = 50 cm (customizable upon request); tube diameter 2 mm
Euroclass	Cca s1b,d0,a1 or B2ca upon request
Length	From 1 mt to 1000 mt

Description	Pre-terminated multi-fiber fan-out MPO/MTP[®] – LC/SC cables
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Termination characteristics

Connector type	Side A: MPO/MTP [®] male or female Side B: LC or SC, Simplex or Duplex
MPO connector fiber count	8, 12 or 24 FO
Insertion Loss	MPO connector: Standard: ≤ 0,75 dB; Low loss: ≤ 0,35 dB LC/SC connectors: ≤ 0,2 dB
Polishing	PC for MM; PC, UPC and APC for SM
Fan-out polarity	Type A or B (only with Duplex SC-LC connectors)

Standards and compliance

Cables and optical fibers	EN 60793 EN 60794-1
Connectors	IEC 61754-4/7/13

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: **F 2 9 D A 2 U 3 C 0 0 5 0**

Type	Cable	Fibre/Cable colour	Number of fibres	First connector	Second connector	Polishing	Fan out layout	Polarity fan out	Length					
F Fan-out cables MPO-LC/SC	1 Minicore single jacket LSZH Cca	9	9/125 G652D Yellow	C	08	A	MPO-F Standard loss	2	SC	P PC U UPC (only for SM) A APC (only for SM)	1 1-8 (only for 8 fibres cables)	A Type A (only for Duplex terminations)	X X X X m	
		3	50/125 OM3 Acqua	D	12	B	MPO-M Standard loss	3	SC Duplex					
		2 Minicore double jacket LSZH Cca	T	50/125 OM4 Aqua	F	24	C	MTP-F Standard loss	4					LC
			4	50/125 OM4 Erika			D	MTP-M Standard loss	6					LC Duplex
			A	9/125 G657A1 Yellow			E	MPO-F Low loss						
							F	MPO-M Low loss						
						G	MTP-F Low loss							
						H	MTP-M Low loss							
								2	1-4 e 9-12 (only for 8 fibres cables)					
								3	1-12 o 1-24					
									B Type B (only for Duplex terminations)					
									C Simplex terminations					

Configuration example: **F 2 9 D A 2 U 3 C 0 0 5 0**

Fanout cable, minicore double jacket LSZH Cca, 9/125 G652D, yellow, 12 fibres, MPO-F Standard loss, SC/UPC, layout 1-12, simplex terminations, length 5 mt

Description	Pre-terminated multi-fiber fan-out MPO/MTP[®] – LC/SC cables
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Fan-out polarity

FANOUT POLARITY TYPE A

Side A	1	2	3	4	5	6	7	8	9	10	11	12
MTP	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Side B	1	2	3	4	5	6	7	8	9	10	11	12
LC/SC	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua

FANOUT POLARITY TYPE B

Side A	1	2	3	4	5	6	7	8	9	10	11	12
MTP	Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua
Side B	12	11	10	9	8	7	6	5	4	3	2	1
LC/SC	Blue	Aqua	Orange	Pink	Green	Violet	Brown	Yellow	Grey	Black	White	Red

