



- High Density and Backbone Cabling
- Plug and Play
- Multiple fiber connectivity system
- MTP® 12-fiber connectors on both sides
- Low smoke zero halogen rated jacket
- Factory terminated and tested
- Test report supplied with each cable assembly

Technical Data

Connector type	MTP®-Elite
Frame color connector	heather violet (OM4), turquoise (OM3/OM4) yellow (OS2)
Polishing connector	PC (multimode), APC (singlemode)
Type of protection (connector)	IP20
Cable color	heather violet (OM4), turquoise (OM3/OM4), yellow (OS2)
Fiber class	MM G50/125µm OM4, MM G50/125µm OM3, SM E9/125µm
Patch cord Type	Minicore cable, round (strength member: aramid yarn)
Polarity trunk cable	Type A or type B (acc. to TIA-568-C)

Optical performance

	Multimode	Singlemode
Insertion Loss		
IEC 61300-3-4 (against reference)	MTP®	MTP®
mean	≤0.10dB	≤0.10dB
max. 100%	≤0.30dB	≤0.30dB
Return Loss		
IEC 61300-3-6	≥35dB	≥65dB

Mechanical characteristics

Mating cycles	<1000
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Environmental characteristics

Operating Temp. Connector (°C)	-40°C to +70°C
Operating Temp. Cable (°C)	-20°C to +60°C

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Fiber

	G652.D (OS1/OS2) Singlemode	OM3 Multimode	OM4 Multimode
Wavelength [nm]	1310 / 1550	850 / 1300	850 / 1300
Attenuation [dB/km]	0.4 / 0.3	≤ 3.0 / ≤ 1.0	≤ 3.0 / ≤ 1.0
Bandwidth OFL [MHz•km]	-	≥1500 / ≥500	≥3500 / ≥500
Effective Modal Bandwidth [MHZ•km]	-	≥2000 / -	≥4700 / -

Cable

	Fiber	OFNP	OFNR	LSZH
		Single / double jacket	Single / double jacket	Single / double jacket
Outer Diameter [mm]	12	3.0 / 4.5	3.0 / 4.5	3.0 / 4.5
	24	3.5 / 5.0	3.5 / 5.0	3.5 / 5.0
	48	- / 9.0	- / 9.0	- / 9.0
	72	- / 11.2	- / 11.2	- / 11.2
Weight [kg/km]	12	14.0 / 23.0	14.0 / 23.0	14.0 / 23.0
	24	30.0 / 52.0	30.0 / 52.0	30.0 / 52.0
	48	- / 91.0	- / 91.0	- / 91.0
	72	- / 130	- / 130	- / 130
Minimum Bend Radius [mm] (during installation)	12	60	60	60
	24	120	120	120
	48	180	180	180
	72	224	224	224
Minimum Bend Radius [mm] (installed)	12	30	30	30
	24	60	60	60
	48	90	90	90
	72	112	112	112
Maximum Tensile Force [N] (during installation)	12	200 / 400	200 / 400	200 / 400
	24	200 / 400	200 / 400	200 / 400
	48	- / 1000	- / 1000	- / 1000
	72	- / 1500	- / 1500	- / 1500
Maximum Tensile Force [N] (installed)	12	100 / 200	100 / 200	100 / 200
	24	100 / 200	100 / 200	100 / 200
	48	- / 300	- / 300	- / 300
	72	- / 500	- / 500	- / 500

Standards

IEC 61754-7	Geometrical requirements MPO/MTP
IEC 61300-3-4	Examinations and measurements - Insertion Loss (against Reference)
IEC 61300-3-6	Examinations and measurements - Return Loss
TIA/EIA-568-C	Connectivity Method A
Telcordia GR-1435-CORE	Generic Requirements for Multi-Fiber Optical Connectors

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Drawing



MPO/MTP Trunk cable male



MPO/MTP Trunk cable female

Order Information

MPO/MTP-Trunk cable, 12fibers, 12MTP-male APC - 12MTP-male APC - OS2

OS2, LSZH, type A, 10 m	803612
OS2, LSZH, type A, 20 m	806239
OS2, LSZH, type A, 30 m	806240

MPO/MTP-Trunk cable, 12fibers, 12MTP-male PC - 12MTP-male PC - OM3

OM3, LSZH, type A, 10 m	803818	OM3, LSZH, type B, 10 m	806244
OM3, LSZH, type A, 20 m	803319	OM3, LSZH, type B, 20 m	806245
OM3, LSZH, type A, 30 m	803320	OM3, LSZH, type B, 30 m	806246

MPO/MTP-Trunk cable, 12fibers, 12MTP-male PC - 12MTP-male PC - OM4

OM4, LSZH, type A, 10 m	802062	OM4, LSZH, type B, 10 m	804560
OM4, LSZH, type A, 20 m	806241	OM4, LSZH, type B, 20 m	806242
OM4, LSZH, type A, 30 m	806202	OM4, LSZH, type B, 30 m	806243

MPO/MTP-Trunk cable, 12fibers, 12MTP-female APC - 12MTP-female APC - OS2

OS2, LSZH, type A, 10 m	511908	OS2, LSZH, type B, 10 m
OS2, LSZH, type A, 10 m	511909	OS2, LSZH, type B, 10 m
OS2, LSZH, type A, 10 m	511910	OS2, LSZH, type B, 10 m

MPO/MTP-Trunk cable, 12fibers, 12MTP-female PC - 12MTP-female PC - OM3

OM3, LSZH, type A, 10 m	511914	OM3, LSZH, type B, 10 m	805214
OM3, LSZH, type A, 20 m	511915	OM3, LSZH, type B, 20 m	806322
OM3, LSZH, type A, 30 m	511916	OM3, LSZH, type B, 30 m	806323
OM3, OFNP, type A, 10 m	511959		
OM3, OFNP, type A, 20 m	511960		
OM3, OFNP, type A, 30 m	511961		

MPO/MTP-Trunk cable, 12fibers, 12MTP-female PC - 12MTP-female PC - OM4

OM4, LSZH, type A, 10 m	511917	OM4, LSZH, type B, 10 m	806319
OM4, LSZH, type A, 20 m	511918	OM4, LSZH, type B, 20 m	806320
OM4, LSZH, type A, 30 m	511919	OM4, LSZH, type B, 30 m	806321

i Other lengths and fiber counts available

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