



- High Density and Backbone Cabling
- Plug and Play
- Multiple fiber connectivity system
- MTP® connectors on both sides
- Low smoke zero halogen rated jacket
- Bend-insensitive fiber for multi-mode and singlemode
- 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
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 *)	MTP®	MTP®
typical	≤0.10dB	≤0.15dB
max.	≤0.30dB	≤0.30dB
Return Loss *)	≥35dB	≥55dB

*) The values stated were determined in accordance with the measurement procedures prescribed by IEC 61300-3-4, IEC 61300-3-6 respectively. If other measuring methods are used, deviating values may be obtained.

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	- / 7.5	- / 7.5	- / 7.5
	96	- / 9.0	- / 9.0	- / 9.0
	Weight [kg/km]	12	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		- / 50	- / 50	- / 50
96		- / 70	- / 70	- / 70
Minimum Bend Radius [mm] (during installation)		12	60	60
	24	120	120	120
	48	180	180	180
	72	224	224	224
	96	60	60	60
	Minimum Bend Radius [mm] (installed)	12	30	30
24		60	60	60
48		90	90	90
72		50	50	50
96		60	60	60
Maximum Tensile Force [N] (during installation)		12	200 / 400	200 / 400
	24	200 / 400	200 / 400	200 / 400
	48	- / 1000	- / 1000	- / 1000
	72	- / 1000	- / 1000	- / 1000
	96	- / 1000	- / 1000	- / 1000
	Maximum Tensile Force [N] (installed)	12	100 / 200	100 / 200
24		100 / 200	100 / 200	100 / 200
48		- / 300	- / 300	- / 300
72		- / 300	- / 300	- / 300
96		- / 300	- / 300	- / 300

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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

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

i Other lengths and fiber counts available

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