



- For transition from trunk backbone assemblies to fiber rack system
- Plug and Play for easy and fast installation
- Fan-out lengths from 0.5m up to 1.5m
- Optional pulling eye per side
- LSZH jacket material
- Bend-insensitive fiber for multi-mode and singlemode
- Test report supplied with each cable assembly

Technical Data

Connector type (side A)	MTP®-Elite
Frame color connector (side A)	heather violet (OM4), turquoise (OM3/OM4), yellow (OS2)
Polishing connector (side A)	PC (multimode), APC 8° (singlemode)
Connector type (side B)	LC simplex (duplex)
Frame color connector (side B)	beige (multimode), blue (singlemode-PC), green (singlemode-APC)
Polishing connector (side B)	PC (multimode/singlemode), APC 8° (singlemode)
Fan-out length (side B)	0.5m to 2.0m
Type of protection connector	IP20
Cable color	heather violet (OM4), turquoise (OM3), yellow (OS2)
Fiber class	MM G50/125µm OM4, MM G50/125µm OM3, SM E9/125µm
Cord type	Minicore cable, round (strength member: aramid yarn)

Optical performance

	Multimode		Singlemode	
	MTP®	LC, SC, & E2000	MTP®	LC, SC & E2000
Insertion Loss *)				
typical	≤0.10dB	≤0.10dB	≤0.15dB	≤0.12dB
max.	≤0.30dB	≤0.25dB	≤0.30dB	≤0.25dB
Return Loss *)	≥35dB	≥45dB	≥55dB	≥45dB

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

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Fiber

	G652.D (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	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 Bending Radius [mm] (during installation)	12	60	60	60
	24	120	120	120
	48	180	180	180
	72	50	50	50
	96	60	60	60
Minimum Bending Radius [mm] (installed)	12	30	30	30
	24	60	60	60
	48	90	90	90
	72	112	112	112
	96	60	60	60
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	- / 1000	- / 1000	- / 1000
	96	- / 1000	- / 1000	- / 1000
Maximum Tensile Force [N] (installed)	12	100 / 200	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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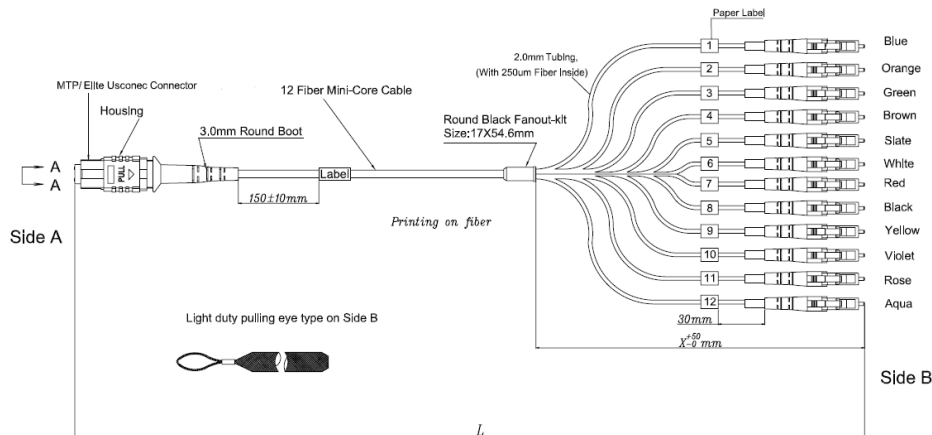


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Standards

IEC 61754-7	Geometrical requirements MPO/MTP
IEC 61754-20	Geometrical requirements LC
IEC 61300-3-4	Insertion Loss (Method: against Reference)
IEC 61300-3-6	Return Loss

Drawing



Order Information

MPO/MTP-Harnesscable, 12fibers, 12MTP-male APC - LC PC - OS2

OS2, LSZH, 10 m	511923
OS2, LSZH, 20 m	511924
OS2, LSZH, 30 m	511925

MPO/MTP-Harnesscable, 12fibers, 12MTP-male PC - LC PC - OM3

OM3, LSZH, 10 m	511929
OM3, LSZH, 20 m	511930
OM3, LSZH, 30 m	511931

MPO/MTP-Harnesscable, 12fibers, 12MTP-male PC - LC PC - OM4

OM4, LSZH, 10 m	511932
OM4, LSZH, 20 m	511933
OM4, LSZH, 30 m	511934

i Other lengths and fiber counts available

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