



MPO/MTP® Loopback

Optronics® MPO/MTP® Loopback are used widely within testing environment especially within parallel optics 40 and 100G networks. Devices allow verification and testing of transceivers featuring MPO/MTP interface - 40G BASED-SR4 QSFP+ or 100G BASE-SR10 CXP/CFP devices. Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MPO/MTP transceivers interfaces. MPO/MTP loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MPO/MTP trunks/patch leads.

Features

- Available in singlemode 9/125 and Multimode 50/125
- 12 or 24 Fibre Ferrule MPO/MTP
- LSZH, OFNP, OFNR Cable Jacket Options
- Female and Male MPO/MTP option of Connectors
- MTP/MPO Loopback in low insertion loss and high reliability
- Suitable for 10G, 40G and 100G protocols testing
- Factory Terminated and Tested
- MPO/MTP Interface - MPO/MTP components feature superior optical and mechanical properties
- Complies with IEC-61754-7 and EIA/TIA-604-5

Applications

- Data Centre Infrastructure
- Parallel Optics
- 40 and 100Gbps Protocols
- Infiniband Emerging
- Storage Area Network- Fiber Channel

Connector Specifications

MECHANICAL PROPERTIES	CRITERIA			
Fibre Type	Singlemode & Multimode			
Connector Type	MTP® 12 or 24 Fiber Ferrule US Conec Body Colour: Black Body Sleeve Colour: MM (Beige), MM Elite (Aqua), SM (Green), SM Elite (Yellow)			
Mating Durability	500 matings			
Colour	Blue (Singlemode); Beige (OM1/OM2); Aqua (OM3/OM4)			
Custom Attenuators	Customised attenuation available			
	MTP® (MM)	MTP® Elite (MM)	MTP® (SM)	MTP® Elite (SM)
Insertion loss	≤1.2dB	≤0.7Db	≤1.5dB	≤0.7dB
Return loss	≥20dB	≥20dB	≥60dB	≥60dB
Test wavelength	850nm	850nm	1550nm	1550nm
Test wavelength	850nm	1310/1550nm		

Ordering Information

	Connector		Fibre Type		Fibre Count	
OMLOOP	20	MTP® Male	9	SM	12	12
	22	MTP® Female	2	OM1/OM2	24	24
	24	MTP® Male Elite	3	OM3		
	26	MTP® Female Elite	4	OM4		
	32	MTP® Male 24F	5	OM5		
	34	MTP® Female 24F				
	28	MTP® Male 24F Elite				
	30	MTP® Female 24F Elite				

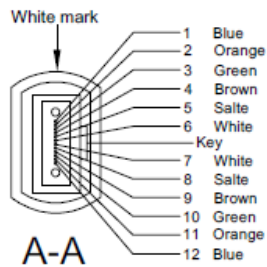
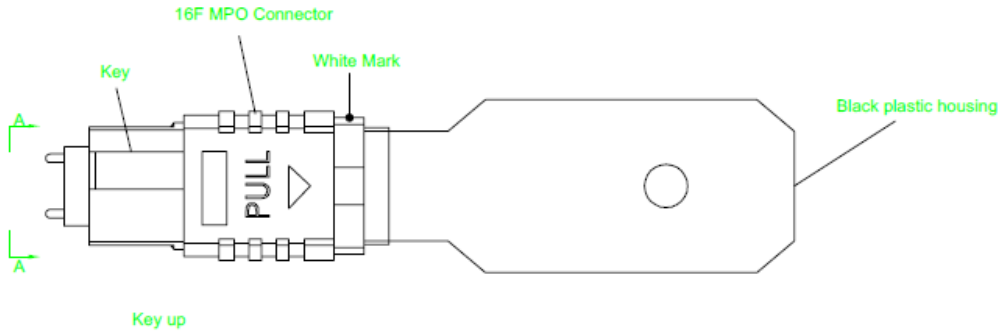
Example Part Number

OMLOOP	-	20	3	12
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MTP® Male Loopback OM3 12 Fibres

Technical Drawing

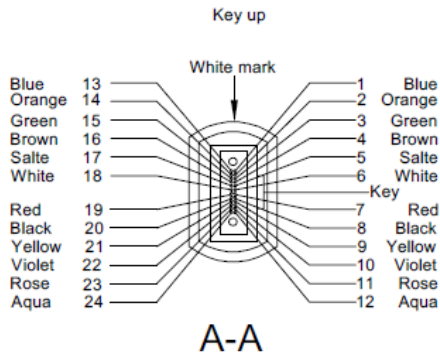
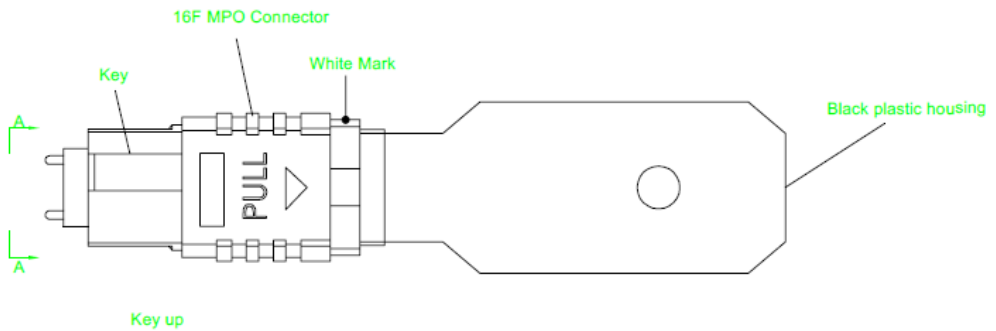
12F MPO LOOPBACK



routing:

PIN	PIN	Fiber color
1	12	Blue
2	11	Orange
3	10	Green
4	9	Brown
5	8	Salte
6	7	White

24F MPO LOOPBACK



routing:

PIN	PIN	Fiber color
1	13	Blue
2	14	Orange
3	15	Green
4	16	Brown
5	17	Salte
6	18	White
7	19	Red
8	20	Black
9	21	Yellow
10	22	Violet
11	23	Rose
12	24	Aqua

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