



MTP®/MPO Loopback

Optronics® MTP®/MPO Loopback are used widely within testing environment especially within parallel optics 40 and 100G networks. Devices allow verification and testing of transceivers featuring MTP®/MPO interface - 40G BASE-SR4 QSFP+ or 100G BASE-SR10 CXP/CFP devices. Loopbacks are built to link Transceivers (TX) and Receivers (RX) positions of MTP®/MPO transceivers interfaces. MTP®/MPO loopbacks can facilitate and speed up IL testing of optical networks segments by connecting them to MTP®/MPO 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 MTP®/MPO 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
- MTP®/MPO Interface - MTP®/MPO 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 (OM ₁ /OM ₂); Aqua (OM ₃ /OM ₄)			
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	OM ₁ /OM ₂	24	24
	24	MTP® Male Elite	3	OM ₃		
	26	MTP® Female Elite	4	OM ₄		
	28	MTP® Male 24F Elite	5	OM ₅		
	30	MTP® Female 24F Elite				
	32	MTP® Male 24F				
	34	MTP® Female 24F				
	21	MPO Male				
	23	MPO Female				
	25	MPO Male Elite				
	27	MPO Female Elite				
	33	MPO Male 24F				
	35	MPO Female 24F				
	29	MPO Male 24F Elite				
	31	MPO Female 24F Elite				

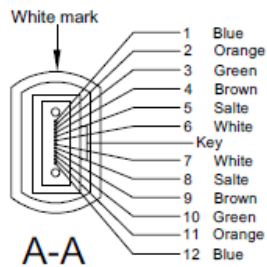
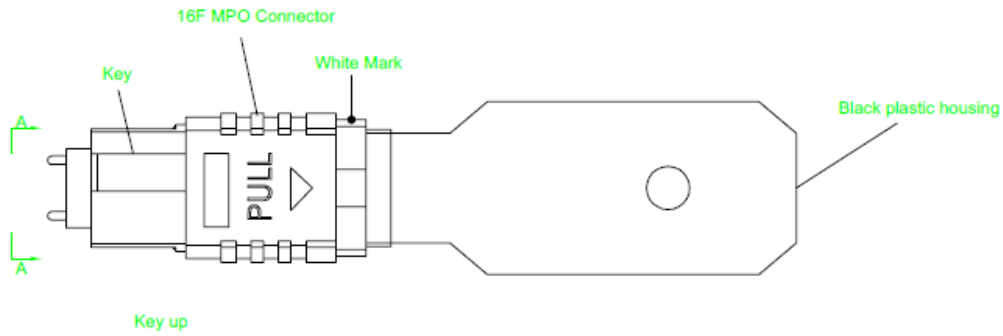
Example Part Number

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

Technical Drawing

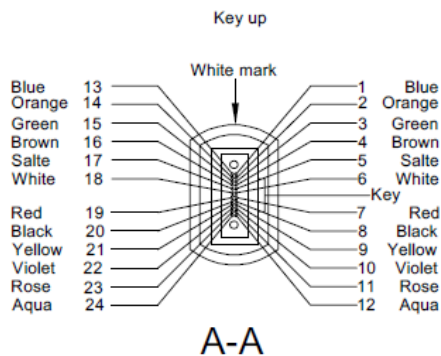
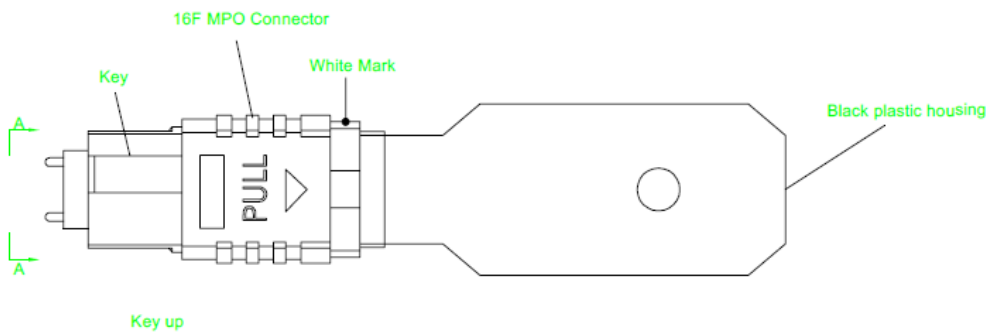
12F MPO LOOPBACK



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