



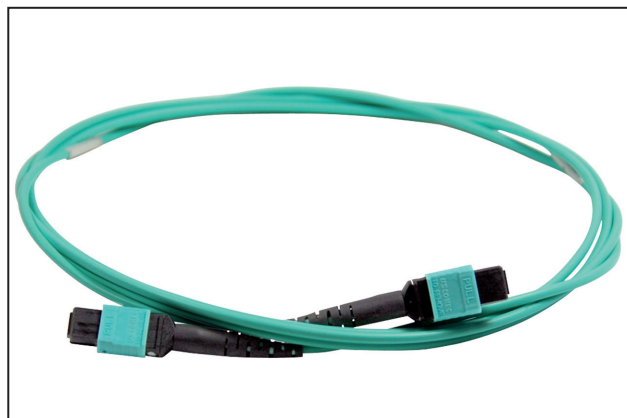
MTP 12 and 24 Core

MTP Back-Bone Cables

Application/Product Description

The HellermannTyton RapidNet MTP Back-Bone cables are a pre-terminated offering MTP connectivity in either OM4, OM3 (multimode) or OS2 (single mode). The MTP Back-Bone cables can be used for high density patching between two MTP ports and are available in 12 and 24 core options.

The multimode solution is designed and tested to support 10Base-T (Ethernet), 100Base-T(Fast Ethernet), 1000Base-T(Gigabit Ethernet) networks and single mode is designed and tested to support telecom, datacom networks and for use in high speed metropolitan and access networks.



OM3 MTP Back-bone Cable

Cable Standards

Cable

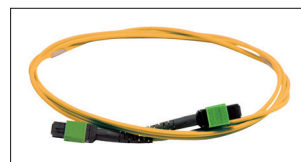
- ISO 11801:2002 (inc. Amend. A1 & A2)
- BS EN 50173-1:2002
- IEC 60794-1

Cable Sheath

- IEC 60332-1
- IEC 60754-2
- IEC 61034
- 12 Core – 3mm - CPR Cca-s1a, d1, a2
- 24 Core – 3.8mm - CPR Cca-s1a, d1, a1



OM4 MTP Back-bone Cable



OS2 MTP Back-bone Cable

Connector Specification

Cable Type	OM4		OM3		OS2	
No. of Fibres/ MTP Connector	12	24	12	24	12	24
Connector Insertion Loss (dB)	≤0.35				≤0.35	≤0.50
Connector Return Loss (dB)	≤20				≤60	
Mating Durability	<0.1dB typical change, 500 mating's					
Test Wavelength (nm)	850/1300		850/1300		1310/1550	

Cable Specification

Fibre Type		OM4		OM3		OS2	
Jacket Material		LSOH					
Cable Colour		Magenta		Aquamarine		Yellow	
Outer Diameter		3.0	3.8	3.8	3.0	3.8	3.0
Fibre Count		12	24	12	24	12	24
Temperature Range	Operation	-10 to +70					
	Storage	-25 to +70					