

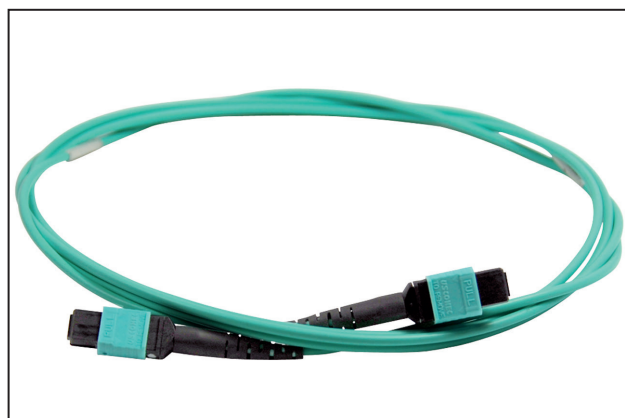
## MTP 12 and 24 Core

### 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

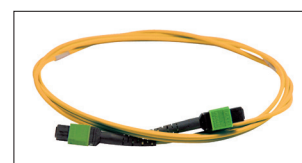
- ISO 11801:2002 (inc. Amend. A1 & A2)
- BS EN 50173-1:2002
- IEC 60794-1

##### 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				