



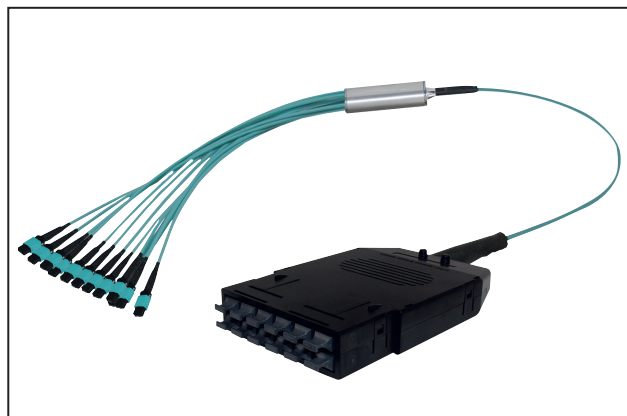
RapidNet Fibre MTP 144 Core

MTP Cassette to MTP Fan Out

Application/Product Description

The HellermannTyton RapidNet VHD MTP Fibre Cassette to MTP Fan Out is pre-terminated offering MTP connectivity in either OM4, OM3 (multimode) or OS2 (single mode). Each cassette offers up to 12 MTP connectors with up to 12 MTP connectors at the fan out end.

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



RapidNet MTP VHD 144 Core 12 MTP Cassette to 12 MTP Fan Out

Cable and Cassette Standards

Cable

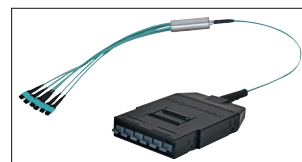
- ISO 11801:2002 (inc. Amend. A1 & A2)
- BS EN 50173-1:2002
- IEC 60794-1
- ITU-T G.652D (OS2)
- IEC 60793-2-10 A1a.2 & A1a.3
- IEC 60793-2-50 B1.3

Cable Sheath

- IEC 60332-1
- IEC 60754-2
- IEC 61034

Cassette

- ISO 11801:2002 (inc. Amend. A1 & A2)
- BS EN 50173
- ANSI/TIA/EIA 568-C.3



RapidNet MTP VHD 144 Core 6 MTP Cassette to 6 MTP Fan Out

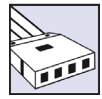
Cassette Specification

No. of Fibres/1U	576			
No. MTP Connectors/Cassette	6	12	6	12
No. of Fibres/ MTP Connector	24	12	24	12
No. of Fibres/ Cassette	144			
Fibre Type	OM4 / OM3		OS2	
Connector Insertion Loss (dB)	≤0.35		≤0.5	≤0.35
Connector Return Loss (dB)	≤20		≤60	
Mating Durability	<0.1dB typical change, 500 mating's			
Test Wavelength (nm)	850/1300	850/1300	1310/1550	

Cassette Materials			
Cassette Cover	Polycarbonate ABS		
Colour	Black		
Dimensions (mm)	H	W	D
	27.0	102.0	130.0

Fan Out Specification

Fibre Type	OM4 / OM3		OS2	
No. of Connectors	6	12	6	12
Connector Insertion Loss (dB)	≤0.35		≤0.5	≤0.35
Connector Return Loss (dB)	≤20		≤60	
Mating Durability	<0.1dB typical change, 500 mating's			
Test Wavelength (nm)	850/1300		1310/1550	

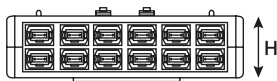


Cable Specification

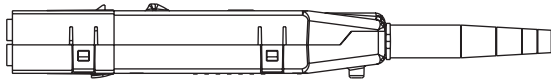
Fibre Type	OM4	OM3	OS2
Fibre Count	144		
Jacket Materials	LSOH		
Cable Colour	Magenta	Aquamarine	Yellow
Outer Diameter (mm)	8.5	8.4	
Temperature	Operation	-10 to +60	
Range	Storage	-20 to +60	

Technical Diagrams

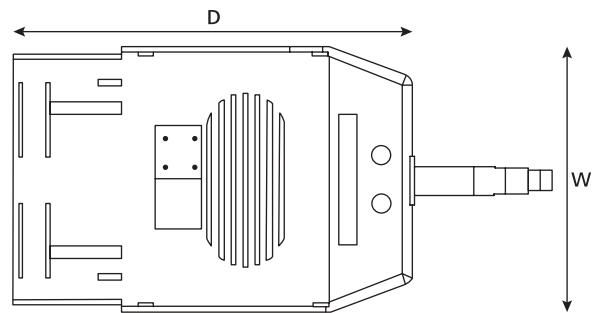
144 Core 12 MTP to 12 MTP Fan Out



Front view

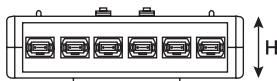


Side view

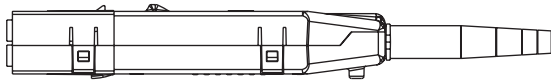


Top view

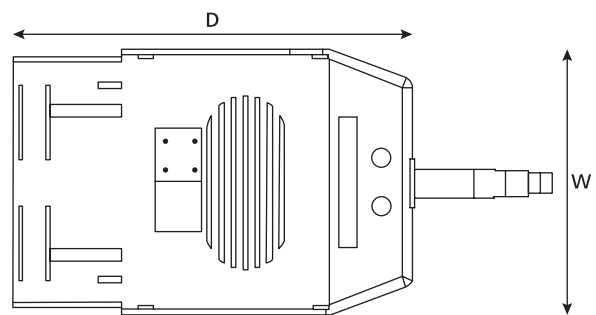
144 Core 6 MTP to 6 MTP Fan Out



Front view



Side view



Top view