



RapidNet Fibre MTP 144 Core

MTP Cassette to MTP Cassette

Application/Product Description

The HellermannTyton RapidNet VHD MTP Fibre Cassette to MTP Fibre Cassette is pre-terminated offering MTP connectivity in either OM4, OM3 (multimode) or OS2 (single mode). Each cassette offers up to 12 MTP connectors in a cassette.

The multimode solution is designed and tested to support 10Base-T (Ethernet), 100Base-T(Fast Ethernet), 1000Base-T(Gigabit Ethernet) networks. 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 6 MTP Cassette to Cassette

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

Cassette Specification

No. of Fibres/1U	576			
No. 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	
Cassette Connector Insertion Loss (dB)	≤0.35		≤0.35	≤0.5
Cassette Connector Return Loss (dB)	≤20		≤60	
Mating Durability	<0.1dB typical change, 500 mating's			
Test Wavelength (nm)	850/1300		1310/1550	

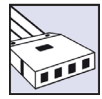
Cassette Materials			
Cassette Cover	Polycarbonate ABS		
Colour	Black		
Dimensions (mm)	H	W	D
	27.0	102.0	130.0

Cable Specification

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

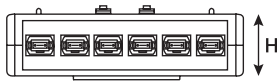


RapidNet MTP VHD 144 Core 12 MTP Cassette to Cassette

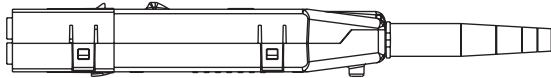


Technical Diagrams

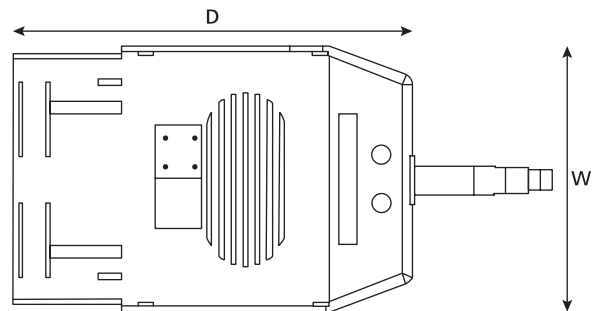
144 Core 6 MTP



Front view

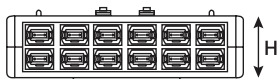


Side view

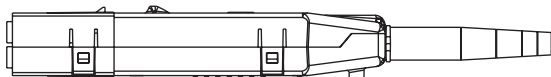


Top view

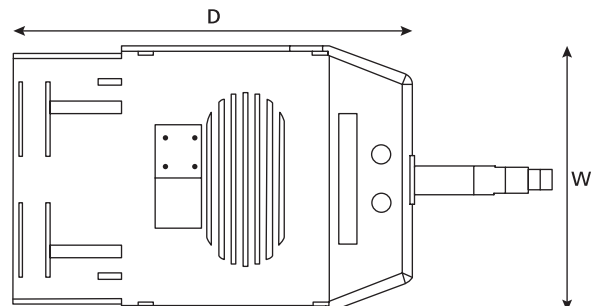
144 Core 12 MTP



Front view



Side view



Top view