



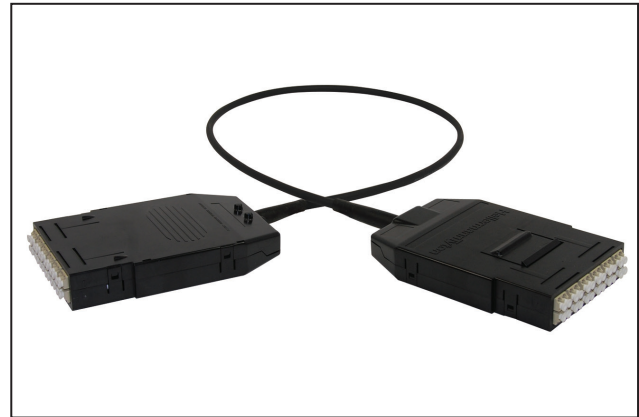
RapidNet Fibre 24 and 12 Core

Cassette to Cassette

Application/Product Description

The HellermannTyton RapidNet Fibre Cassette to Cassette is pre-terminated offering both LC and SC connectivity in either OM4, OM3 (multimode) or OS2 (single mode). Each cassette offers up to 24 LC ports or 12 SC ports 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 Fibre LC 24 Core 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



RapidNet Fibre SC 12 Core Cassette to Cassette

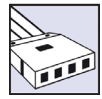
Cassette Specification

Fibre Type		OM4		OM3		OS2	
Connector Type		LC	SC	LC	SC	LC	SC
No. of Fibres/1U	Max	96	48	96	48	96	48
	Min	48	N/A	48	N/A	48	N/A
No. of Fibres/ Cassette	Max	24	12	24	12	24	12
	Min	12	N/A	12	N/A	12	N/A
Connector Insertion Loss (dB)		≤0.4	≤0.4	≤0.4	≤0.4	≤0.3	≤0.3
Connector Return Loss (dB)		≥25	≥25	≥25	≥25	≥50	≥50
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
	27.0
	W
	102.0
	D
	130.0

Cable Specification

Fibre Type		OM4		OM3		OS2	
Fibre Count		24	12	24	12	24	12
Jacket Materials		LSOH					
Cable Colour		Black					
Outer Diameter (mm)		3.8	3.0	3.8	3.0	3.8	3.0
Temperature Range	Operation	-25 to +70					
	Installation	-5 to +50					
	Storage	-10 to +75					

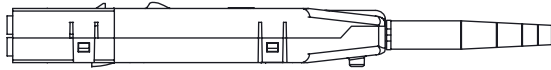


Technical Diagrams

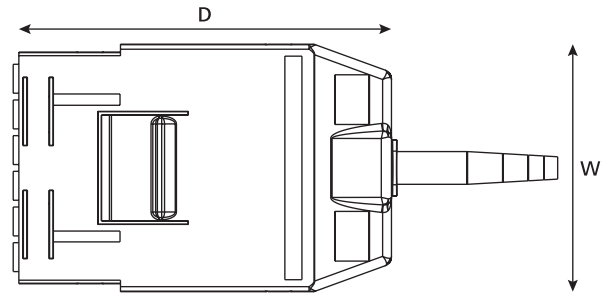
24 Core LC Cassette



Front view

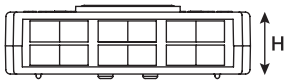


Side view

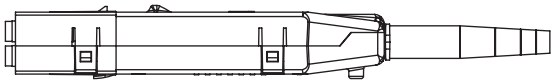


Top view

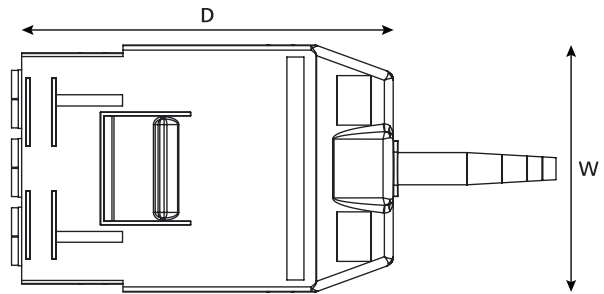
12 Core SC Cassette



Front view



Side view



Top view