

## RapidNet Fibre 24 Core

### Cassette to 2 MTP Connectors

#### Application/Product Description

The HellermannTyton RapidNet LC Cassette with rear MTP Connectivity is pre-terminated offering LC connectivity in either OM4, OM3 (multimode) or OS2 (single mode). The cassette offers 24 LC connectors with 2 rear MTP connectors.

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.

#### 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

<b>No. MTP Connectors/Cassette</b>	2	
<b>No. of Fibres/1U</b>	96	
<b>No. of Fibres/ MTP Connector</b>	12	
<b>No. of Fibres/ Cassette</b>	24	
<b>Fibre Type</b>	<b>OM4 / OM3</b>	<b>OS2</b>
<b>MTP Connector Insertion Loss (dB)</b>	≤0.35	≤0.35
<b>MTP Connector Return Loss (dB)</b>	≤20	≤60

<b>No. of LC Connectors</b>	24	
<b>Connector Insertion Loss (dB)</b>	≤0.3	
<b>Connector Return Loss (dB)</b>	≤25	≤50
<b>Mating Durability</b>	<0.1dB typical change, 500 mating's	
<b>Test Wavelength (nm)</b>	850/1300	1310/1550

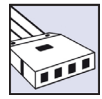
<b>Cassette Materials</b>			
<b>Cassette Cover</b>	Polycarbonate ABS		
<b>Colour</b>	Black		
<b>Dimensions (mm)</b>	H	W	D
	27.0	102.0	130.0



24 Core LC Multimode Cassette with 2 MTP Connectors

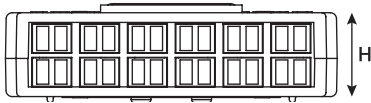


24 Core LC Single Mode Cassette with 2 MTP Connectors

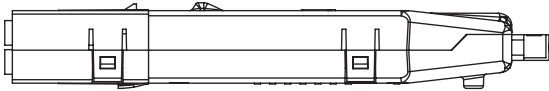


## Technical Diagrams

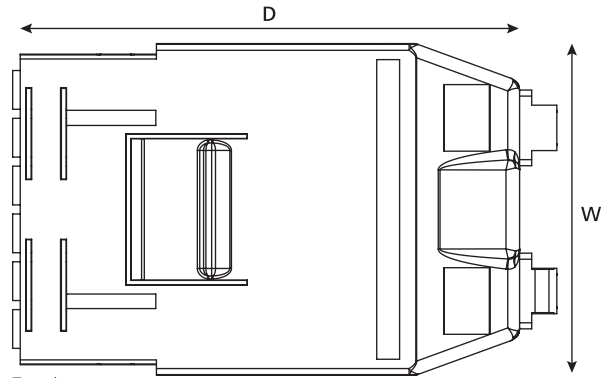
24 Core LC Cassette with 2 Rear MTP Connectivity



Front view



Side view



Top view