



## RapidNet Fibre 12 Core

### Keyed LC Cassette to 1 MTP Connector

#### Application/Product Description

The HellermannTyton RapidNet Keyed LC Cassette with rear MTP Connectivity is pre-terminated offering LC connectivity in either OM4, OM3 (multimode) or OS2 (single mode). The cassette offers 12 LC or SC connectors in a cassette with 1 rear MTP connector.

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.



RapidNet Fibre LC Multimode 12 Core Cassette with 1 Rear MTP Connector

#### 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



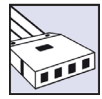
RapidNet Fibre LC Single Mode 12 Core Cassette with 1 MTP Connector

#### Cassette Specification

|                                   |           |       |
|-----------------------------------|-----------|-------|
| No. MTP Connectors/Cassette       | 1         |       |
| No. of Fibres/1U                  | 48        |       |
| No. of Fibres/ MTP Connector      | 12        |       |
| No. of Fibres/ Cassette           | 12        |       |
| Fibre Type                        | OM4 / OM3 | OS2   |
| Connector Type                    | LC        |       |
| MTP Connector Insertion Loss (dB) | ≤0.35     | ≤0.35 |
| MTP Connector Return Loss (dB)    | ≤20       | ≤60   |

|                               |                                     |
|-------------------------------|-------------------------------------|
| No. of Connectors             | 12                                  |
|                               | LC                                  |
| Connector Insertion Loss (dB) | ≤0.3                                |
| Connector Return Loss (dB)    | ≤25                                 |
| 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 |



## Technical Diagrams

12 Core LC Cassette with 1 Rear MTP Connectivity

