



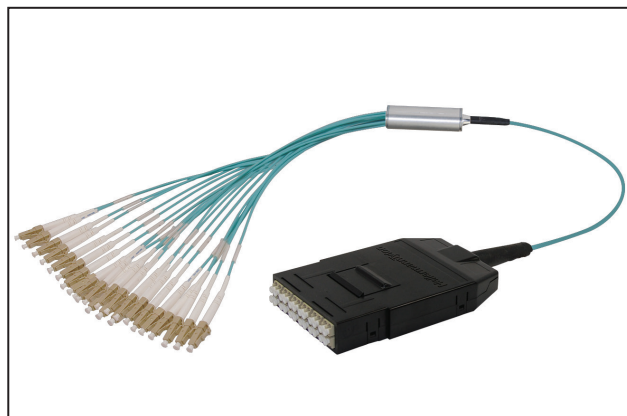
## RapidNet Fibre 24 Core

### Cassette to Fan Out

#### Application/Product Description

The HellermannTyton RapidNet 24 Core LC Fibre Cassette to Fan Out is pre-terminated offering connectivity in either OM4, OM3 (multimode) or OS2 (single mode). The cassette offers 24 LC connectors in a cassette with 24 LC or SC 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) 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 LC 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

#### Cassette Specification

|                                        |           |     |       |    |
|----------------------------------------|-----------|-----|-------|----|
| No. of Fibres/1U                       | 96        |     |       |    |
| Port Count Cassette                    | 24        |     |       |    |
| No. of Fibres/ Cassette                | 24        |     |       |    |
| Fibre Type                             | OM4 / OM3 |     | OS2   |    |
| Cassette Connector Type                | LC        | SC  | LC    | SC |
| Cassette Connector Insertion Loss (dB) | ≤0.30     |     | ≤0.30 |    |
| Cassette Connector Return Loss (dB)    | ≤25       | ≤50 | ≤50   |    |

|                    |                   |       |       |
|--------------------|-------------------|-------|-------|
| 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 LC Connectors          | 24                                  |     |           |    |
|                               | LC                                  | SC  | LC        | SC |
| Connector Insertion Loss (dB) | ≤0.3                                |     | ≤0.3      |    |
| Connector Return Loss (dB)    | ≤25                                 | ≤50 | ≤50       |    |
| Mating Durability             | <0.1dB typical change, 500 mating's |     |           |    |
| Test Wavelength (nm)          | 850/1300                            |     | 1310/1550 |    |



## Cable Specification

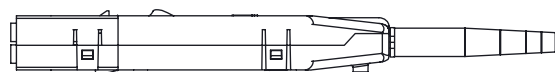
| Fibre Type        | OM4          | OM3        | OS2    |
|-------------------|--------------|------------|--------|
| Fibre Count       | 24           |            |        |
| Jacket Materials  | LSOH         |            |        |
| Cable Colour      | Magenta      | Aquamarine | Yellow |
| Outer Diameter    | 3.8          |            |        |
| Temperature Range | Operation    | -10 to +70 |        |
|                   | Installation | -5 to +50  |        |
|                   | Storage      | -25 to +70 |        |

## Technical Diagrams

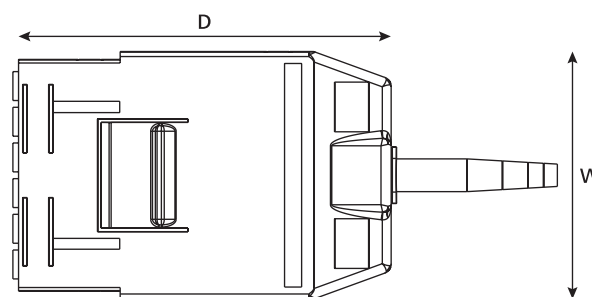
### 24 Core LC Cassette



Front view



Side view



Top view