

All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

These fibre optic cable assemblies connect remote radio heads in telecommunication applications. The assembly consist of an overmolded LC Compact connector on side A and a 250mm fan-out with LC Duplex connector on side B. These fiber optic cable assemblies could be used indoor and outdoor. The cable is UV protected, riser rated and UV resistant.

Available Variants

| Type | Length (mm) | weight (g) / pce |
|----------------|-------------|------------------|
| L98B-240-1000 | 1000±500 | 60 |
| L98B-240-30000 | 30000±1000 | 1510 |

Cable assemblies available in additional length variants.

Parts

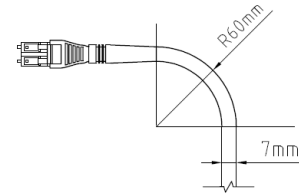
| | |
|------------------|--|
| Connector top | 1 x LC-Compact, single mode |
| Connector bottom | 1 x LC-Duplex, single mode |
| Cable | UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1 |

Optical data

| | | |
|----------------|---|-------------|
| Cable | 2 fibres | |
| Fiber | 9/125 µm single mode optical fibre according to ITU-T G.657A and G.652D | |
| Insertion loss | ≤ 0.35 dB / km | λ = 1310 nm |
| | ≤ 0.25 dB / km | λ = 1550 nm |

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| | |
|-----------------------------|------------------------------|
| Connector A | LC-Compact |
| Insertion loss | typ. 0.10 dB max. 0.30 dB |
| Return loss | typ. 50 dB (UPC) |
| Bending radius min. at boot | 60mm |
| Connector B | LC-Duplex |
| Insertion loss | typ. 0.10 dB max. 0.30 dB |
| Return loss | typ. 50 dB (UPC) |



Mechanical data

| | |
|---|-------------|
| Cable diameter, jacket | 7 mm |
| Minimum bending radius cable | |
| Installation | 105 mm |
| Operation | 70 mm |
| Max. tensile strength cable | |
| Installation | 1200 N |
| Permanent | 600 N |
| Crush resistance | |
| Short term | 2200 N / dm |
| Long term | 800 N / dm |
| Impact resistance acc. to IEC 60794-1-2, method E4 | |
| 3 Impacts | 1.5 Nm |

Environmental data

| | |
|---|------------------|
| Temperature range operation | -40 °C to +85 °C |
| Temperature range storage | -55 °C to +85 °C |
| Temperature range installation | -20 °C to +60 °C |
| 2002/95/EC (RoHS) | compliant |
| UV resistance | acc. to DIN53387 |
| Good resistance to oil, petrol and leach. | |

Packing

| | |
|---------------|--------------|
| Standard | |
| Length < 30 m | 1 pce in bag |
| Length ≥ 30 m | 1 pce in box |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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|------------|----------|----------|----------|------|---------------------------|------------|----------|
| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
| U.Albrecht | 07/03/14 | S.Gleich | 07/03/14 | 100 | 14-0004 | U.Albrecht | 07/03/14 |

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