



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

Description

Fiber optical cable assembly for FTTA telecommunication equipment to connect base stations with RRU. The design is very slim and economical. The cable is flame retardant and UV resistant. It can be used in In- and Outdoor applications. Delivered with IP50 dust proof and crush resistant pulling sleeve on both ends.

Available Variants

| Type | Length (mm) | weight (g) / pce |
|-----------------|--------------|------------------|
| L98B-030-XXX | XXXmm | |
| Type | Length (m) | weight (g) / pce |
| L98B-030-10000 | 10m ±0.5m | 770 |
| L98B-030-20000 | 20m ±1.0m | 1240 |
| L98B-030-30000 | 30m ±1.0m | 1710 |
| L98B-030-40000 | 40m ±1.5m | 2180 |
| L98B-030-50000 | 50m ±1.5m | 2650 |
| L98B-030-75000 | 75m ±1.5m | 3825 |
| L98B-030-100000 | 100m ±1.5m | 5000 |
| L98B-030-150000 | 150m ± 2.25m | 7350 |
| L98B-030-200000 | 200m ± 3m | 9700 |

Cable assemblies in additional length variants are available.

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Parts

| | |
|------------------|--|
| Connector top | LC Duplex connector, Blue Singlemode |
| Connector bottom | LC Duplex connector, Blue Singlemode |
| Cable | PVC jacket; 12 fiber Mini-Breakout cable FRLS, UV resistant Subunit cable 12x0.9mm Singlemode 9µmG657A. red, green, blue, yellow, white, grey, brown, violet, turquoise, black, orange, pink |
| Cable divider | Polyvinylchlorid |
| Pulling sleeve | Polyamid IP50 dust proof and crush resistant. Maximum pulling force: 600N |

Optical data

| | |
|----------------|--|
| Cable | 12 fibers |
| Fiber | 9/125 µm single mode optical fiber according to ITU-T G.657A |
| Insertion loss | ≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm |
| Connectors | LC Duplex |
| Insertion loss | typ. 0.10 dB max. 0.30 dB |
| Return loss | typ. 50 dB (UPC) |

Mechanical data

| | |
|-------------------------------------|----------------------------|
| Cable diameter, jacket | 7,7 mm |
| Minimum bending radius cable | |
| Installation | 120 mm |
| Operation | 150 mm |
| Max. tensile strength cable | |
| Installation | 1100 N |
| Permanent | 600 N |
| Crush resistance (short term) | 350 N / cm (IEC 60794-1-2) |
| Crush resistance (long term) | 350 N / cm (IEC 60794-1-2) |

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 |
| 2003/95/EC (RoHS) | compliant |
| Flame retardancy | IEC 60332-1 |
| UV resistance | IEC 60068-2-5 |

Packing

| | |
|---------------|------------------------------------|
| Standard | |
| Length ≤ 75 m | 1 pce. in cardboard box |
| Length > 75 m | 1 pce on cardboard drum (Ø 500 mm) |

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 |
| N. Bockisch | 08/6/2011 | Gramsamer J. | 11/07/11 | 300 | 13-0003 | S. Gleich | 11/07/13 |

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