



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

Description

This product is a duplex single mode cable assembly for indoor use. It has E2HRL connectors on both ends. The fiber is bend insensitive G657A2 according to ITU-T standard.

Available Variants

| Type | Length (mm) | Weight (g) / pce |
|------------------|-------------|------------------|
| L98B-A0308-1000 | 1000 | |
| L98B-A0308-10000 | 10000 | |

| Length (m) | Tolerances (mm) |
|-------------|-----------------|
| L<=5 | +/-50 |
| 5<L ≤ 10 | +/-100 |
| 10<L ≤ 20 | +/-200 |
| 20 < L ≤ 50 | +/- 500 |
| L>50 | +/-1000 |

Cable assemblies in additional length variants are available.

Parts

| | |
|------------------|--------------------------------------|
| Connector Side A | 2 x E2HRL duplex, single mode |
| Connector Side B | 2 x E2HRL duplex, single mode |
| Cable | Duplex cable with yellow LSZH jacket |

Optical data

| | |
|-------------------|--|
| Cable | 2 Fibers 9/125 µm single mode optical fiber according to ITU-T |
| Fiber | G657A2 |
| Cable attenuation | ≤0.40 dB / km λ = 1310 nm ≤0.3 dB / km λ = 1550 nm |
| Connector side A | E2HRL |
| Insertion loss | max. 0.40 dB |
| Return loss | typ. 70 dB (APC) |
| Connector side B | E2HRL |
| Insertion loss | max. 0.40 dB |

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| | |
|---|--------------------------------|
| Return loss | typ. 70 dB (APC) |
| Mechanical data | |
| Cable diameter, jacket | 2,1 x 4,1mm |
| Minimum bending radius cable | |
| Installation | 30 mm |
| Operation | 30 mm |
| Max. tensile strength cable | |
| Installation | 100 N |
| Permanent | 60 N |
| Crush resistance | 100 N / 100 mm (EN 187000-504) |
| Minimum bending radius break-out element | |
| Single | 30 mm |
| Repeated | 30 mm |
| Max. tensile strength | 100 N |
| Environmental data | |
| Temperature range operation | -20 °C to +80 °C |
| Temperature range storage | -20 °C to +80 °C |
| Temperature range installation | -10 °C to +65 °C |
| RoHS | compliant |
| Packing | |
| Standard | |
| Length < 100 m | 1 pce in bag and x pce in box |
| Length > 300 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.

| Draft | Date | Approved | Date | Rev | Engineering change number | Name | Date |
|------------|----------|----------|----------|-----|---------------------------|------------|----------|
| U.Albrecht | 05/07/17 | S.Gleich | 05/07/17 | 100 | 17-004 | U.Albrecht | 05/07/17 |