



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

**Description**

This product is a 12 fiber single mode half trunk. It is especially designed to support the Rosenberger FIPro – Fiber and Power to the roof solution. It has 12 LC/UPC connectors on side A. The fiber is bend insensitive G.657A1 according to ITU-T standard.

**Available Variants**

| Type            | Length (mm) | Weight (gr) |
|-----------------|-------------|-------------|
| L98B-215-10000  | 10000±100   | 320         |
| L98B-215-15000  | 15000±100   | 430         |
| L98B-215-20000  | 20000±100   | 540         |
| L98B-215-25000  | 25000±100   | 650         |
| L98B-215-30000  | 30000±100   | 320         |
| L98B-215-35000  | 35000±100   | 870         |
| L98B-215-40000  | 40000±100   | 980         |
| L98B-215-45000  | 45000±100   | 1090        |
| L98B-215-50000  | 50000±100   | 1200        |
| L98B-215-55000  | 55000±100   | 1310        |
| L98B-215-60000  | 60000±100   | 1420        |
| L98B-215-65000  | 65000±100   | 1530        |
| L98B-215-70000  | 70000±100   | 1640        |
| L98B-215-75000  | 75000±100   | 1750        |
| L98B-215-80000  | 80000±100   | 1860        |
| L98B-215-85000  | 85000±100   | 1750        |
| L98B-215-90000  | 90000±100   | 2080        |
| L98B-215-95000  | 95000±100   | 2190        |
| L98B-215-100000 | 100000±100  | 2300        |

Other length on request

**Parts**

|                  |                                       |
|------------------|---------------------------------------|
| Connector Side B | 12 x LC/UPC, single mode              |
| Cable            | 12 fiber cable with black LSZH jacket |

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**Optical data**

|                  |   |             |
|------------------|---|-------------|
| Cable            | 12 fiber G.657A1  |             |
| Fiber            | 9/125 µm single mode optical fibre according to ITU-T G.657A1 |             |
| Insertion loss   | ≤ 0.36 dB / km  | λ = 1310 nm |
|                  | ≤ 0.22 dB / km  | λ = 1550 nm |
| Connector side A | LC-UPC  |             |
| Insertion loss   | typ. 0.10 dB  |             |
|                  | max. 0.30 dB  |             |
| Return loss      | typ. 55dB (UPC)   |             |

**Mechanical data**

|                                     |           |
|-------------------------------------|-----------|
| Cable diameter, jacket              | 5 mm      |
| <b>Minimum bending radius cable</b> |           |
| Installation                        | 75 mm     |
| Operation                           | 50 mm     |
| <b>Max. tensile strength cable</b>  |           |
| Permanent                           | 500 N     |
| Crush resistance long term          | 2200 N/dm |

**Environmental data**

|                                |   |
|--------------------------------|---|
| Temperature range operation    | -40°C to +85 °C   |
| Temperature range installation | -5°C to +50 °C  |
| Temperature range storage      | -40°C to +85 °C   |
| Fire performance               | Flame retardant (IEC 60332-1-2)<br>Low smoke emission (IEC 61034)<br>Halogen free (IEC 60754-1) |
| 2002/95/EC (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   | 11/12/2013 | S.Schlomka | 11/12/2013 | 200  | 13-0005   | U.Albrecht | 27/02/2014    |
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