



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

**Description**

These fiber optic cable assemblies connect base stations and remote radio heads in telecommunication applications. They can be used indoor and outdoor, are UV protected and HFFR rated.

The assembly comes with an Rosenberger Fiber Enclosure (RFE)

**Available Variants**

Type	Length (mm)	Weight (g) / pce
L98B-091-10000	10000	258
L98B-091-20000	20000	445
L98B-091-60000	60000	1193
L98B-091-100000	100000	1941

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 top	1 x Rosenberger Duplex Connector (RDC), single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	Halogen free TPU
Rosenberger Fiber Enclosure (RFE)	Refer to 98Z111-S00_DB
RFE Hoisting cap	Refer to 98Z105-S00/53_DB

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**Optical data**

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A and G652D
Cable attenuation	≤0.40 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connector A	Rosenberger Duplex Connector (RDC)
Insertion loss	max. 0.5 dB
Return loss	typ. 50 dB (UPC)
Connector B	LC-Duplex
Insertion loss	max. 0.30 dB
Return loss	typ. 50 dB (UPC)

**Mechanical data cable**

Cable diameter, jacket	4.8 mm
<b>Minimum bending radius cable</b>	
Installation	20 mm
Operation	20 mm
<b>Max. tensile strength cable</b>	
Installation	450 N
Permanent	300 N
Crush resistance	3000 N / 100 mm (IEC 60794-1-2 clause 7.3)
<b>Minimum bending radius break-out element</b>	
Single	20 mm
Repeated	20 mm
Max. tensile strength (short term)	450 N
Max. tensile strength (long term)	300 N

**Environmental data cable**

Temperature range operation	-40 °C to +85 °C
Temperature range storage	-40 °C to +70 °C
Temperature range installation	-10 °C to +65 °C
RoHS	compliant

**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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
S.Gleich	26/04/13	S.Schmidt	02/05/13	200	16-0005	U.Albrecht	04.11.2016