



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 a Rosenberger Fiber Enclosure (RFE)

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-090-10000	10000	211
L98B-090-20000	20000	398
L98B-090-60000	60000	1146
L98B-090-100000	100000	1894

Length (m)	Tolerances (mm)
L ≤ 10	+100/-50
10 < L ≤ 30	+200/-100
L > 30	+/-1%

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x LC-Duplex, single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	Halogen free TPU (LSZH), black
Rosenberger Fiber Enclosure (RFE)	Refer to 98Z105-S02_DB

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RF_35/09_14/6.2

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
Connectors	LC-Duplex
Insertion loss	Typ. 0.10 dB Max. 0.30 dB
Return loss	Typ. 50 dB (UPC)

Mechanical data cable

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

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
A.Koop	18/11/14	S.Lang	11/05/16	300	16-0005	U. Ferraz	11/05/16