

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

Description

These fibre optic cable assemblies connect remote radio heads in telecommunication applications. The assembly consist of an overmolded LC Compact connector on side A and a 250mm fan-out with LC Duplex connector on side B. These fiber optic cable assemblies could be used indoor and outdoor. The cable is UV protected, riser rated and UV resistant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-240-1000	1000±500	60
L98B-240-30000	30000±1000	1510

Cable assemblies available in additional length variants.

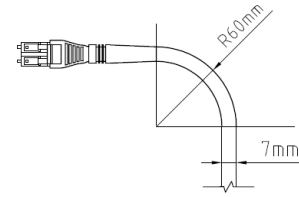
Parts

Connector top	1 x LC-Compact, single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1

Optical data

Cable	2 fibres	
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A and G.652D	
Insertion loss	≤ 0.35 dB / km	λ = 1310 nm
	≤ 0.25 dB / km	λ = 1550 nm

Connector A	LC-Compact
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)
Bending radius min. at boot	60mm
Connector B	LC-Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)



Mechanical data

Cable diameter, jacket	7 mm
Minimum bending radius cable	
Installation	105 mm
Operation	70 mm
Max. tensile strength cable	
Installation	1200 N
Permanent	600 N
Crush resistance	
Short term	2200 N / dm
Long term	800 N / dm
Impact resistance acc. to IEC 60794-1-2, method E4	
3 Impacts	1.5 Nm

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
2002/95/EC (RoHS)	compliant
UV resistance	acc. to DIN53387
Good resistance to oil, petrol and leach.	

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
U.Albrecht	07/03/14	S.Gleich	07/03/14	100	14-0004	U.Albrecht	07/03/14

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