



Fiber Chart crossed	
from Side A	to Side B
A	B
B	A

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 connector on top end (A Side) are overmolded, the connectors on bottom end (B side) use a standard boot. On the bottom end (B Side) the divider is done with a heat-shrink and with 2.1mm fan-outs. They can be used indoor and outdoor. The cable is flame retardant, halogen free and UV resistant.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-180-5000	5000±500	130
L98B-180-10000	10000±500	211
L98B-180-20000	20000±1000	398
L98B-180-50000	50000±1000	959
L98B-180-75000	75000±1000	1427

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x LC-Compact, single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	Halogen free TPU, flame retardant, UV resistant

Optical data

Cable	2 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A2
Attenuation Coefficient	≤ 0.40 dB / km λ = 1310 nm
	≤ 0.25 dB / km λ = 1550 nm

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
LCC – 9uG657 - LCD

L98B-180-XXX

Connectors (A side)	LC-Compact
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 55 dB (UPC)
Connector (B side)	LC-Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 55 dB (UPC)

Mechanical data

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)

Environmental data

Temperature range operation	-40 °C to +75 °C (IEC 60794-1-2)
Temperature range storage	-40 °C to +70 °C
Temperature range installation	-20 °C to +60 °C
RoHS	compliant
Flame retardant	IEC 60332-3-24 (Cat. C)
UV resistant	UL 1581

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.Schlomka	30/07/13	S.Gleich	30/07/13	100	13-0002	U.Albrecht	19/03/14

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de	Tel. : +49 8684 18-0 Email : info@rosenberger.de	Page 2 / 2
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