

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

Description

This product is a duplex single mode cable assembly for indoor and outdoor use. It has an overmolded LCcompact connector on the side A and two E2000/APC connectors on side B. The divider is overmolded on top end (side A) and especially designed for solid straight connections. The fibre is bend insensitive G657A2 according to ITU-T standard.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-203-1000	1000	40
L98B-203-1500	1500	53
L98B-203-2000	2000	66
L98B-203-3000	3000	95
L98B-203-4000	4000	120
L98B-203-5000	5000	145
L98B-203-7000	7000	200
L98B-203-10000	10000	275
L98B-203-15000	15000	405
L98B-203-20000	20000	535
L98B-203-30000	30000	795
L98B-203-40000	40000	1055

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

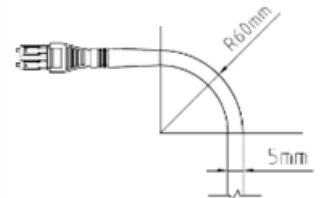
Connector top	1 x LC-Compact/UPC, single mode
Connector bottom	2 x E2000/APC, single mode
Cable	Duplex cable with yellow LSZH jacket

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Optical data

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A2
Cable attenuation	≤0.40 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connector A	LC-UPC
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 55 dB (UPC)
Bending radius min. at boot	60 mm
Connector B	E2000-APC
Insertion loss	Typ. 0.20 dB Max. 0.40 dB
Return loss	Typ. 70 dB (APC)



Mechanical data

Cable diameter, jacket	4.8 mm
Minimum bending radius cable	
Installation	30 mm
Operation	30 mm
Max. tensile strength cable	
Installation	450 N (IEC60794-1-2 Clause 5)
Permanent	300 N (IEC60794-1-2 Clause 5)
Crush resistance	3000 N / 100 mm (IEC60794-1-2 Clause 7.3)

Environmental data

Temperature range operation	-40 °C to +95 °C
Temperature range storage	-40 °C to +70 °C
Temperature range installation	-20 °C to +60 °C
2002/95/EC (RoHS)	compliant
Performance compliance	IEC 60332-3-24 (Cat. C), UL 1581

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	10/10/13	S.Gleich	10/10/13	300	16-0004	C.Mayer	30/06/16

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2