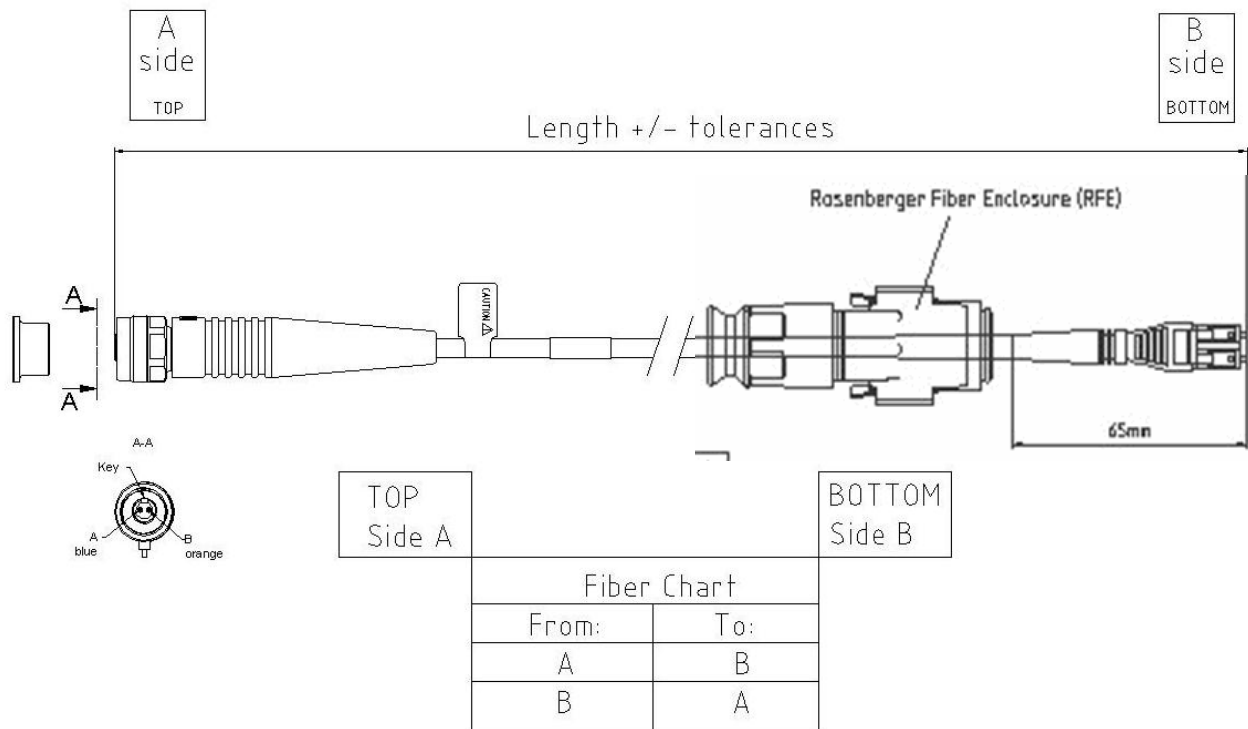




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

These fibre optic jumper cable assemblies connect remote radio heads in telecommunication applications. Side A is equipped with an RDC male connector, side B with an LC-Compact connector. The divider on side B is overmolded. The B side is equipped with an Rosenberger fiber enclosure (RFE). These fibre optic cable assemblies could be used indoor and outdoor. The cable is UV protected and riser rated. The Rosenberger Duplex Connector (RDC) is intermateable with ODC®-2.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-280-1000	1000±500	150
L98B-280-1500	1500±500	278
L98B-280-2000	2000±500	304
L98B-280-2500	2500±500	330
L98B-280-3000	3000±500	356
L98B-280-4000	4000±500	408
L98B-280-5000	5000±500	460
L98B-280-7500	7500±500	590
L98B-280-10000	10000±1000	720
L98B-280-15000	15000±1000	980

Cable assemblies in additional length variants are available.

Technical Data Sheet

FTTA Fiber Cable Assembly
RDC – 9uG657 – LCC+RFE

FB-L98B-280-XXX

Parts

Connector top	1 x Rosenberger Duplex Connector (RDC male), single mode
Connector bottom	1 x LC-Compact, single mode
Cable	UL-approval UL 1651 OFNR (UL1666) Flame retardant acc. to IEC 60332-1
Rosenberger Fiber Enclosure (RFE)	Watertight and UV resistant fiber enclosure for various connectors (see datasheet 98Z105-S00)

Optical data

Cable	2 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A 1 and G.652D
Attenuation Coefficient	≤ 0.40 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm
Connector	Rosenberger Duplex Connector (RDC)
Insertion loss	typ. 0.25 dB max. 0.5 dB
Return loss	typ. 50 dB
Connector	LC-Compact
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

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
A.Burggraf	01/07/14	S.Gleich	01/07/14	100	14-0004	A.Burggraf	01/07/14
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0				Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.rlss.us			Page 2 of 2