



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

Description

This 4 fiber optic cable assembly connects e.g. remote radio heads (RRU) in telecommunication applications or other outdoor applications. Side A (top side) of cable assembly is equipped with 2 RDCf connectors. The connectors on side B (bottom end) comes with two overmolded LC compact connectors. The dividers are made in hotmelt technology too. This assembly could be used indoor and outdoor. The cable is UV protected and flame retardant.

Available Variants

Type	Length (mm)
L98B-A0236-10000	10000
L98B-A0236-30000	30000
L98B-A0236-50000	50000
L98B-A0236-100000	100000

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.

RF_35/09.14/6.2

Parts

Connector top	2 x RDC (Rosenberger Duplex Connector) female, single mode
Connector bottom	2 x Rosenberger LC-Compact Duplex, overmolded, single mode
Cable	Flame retardant Polyvinylchloride, UL on request
Fiber marking top	Identification ring on single fan-out
Fiber marking bottom	Identification ring on single fan-out

Optical data

Cable	4 fibers G657A2
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A2
Insertion loss	≤ 0.35 dB / km ≤ 0.25 dB / km
Connectors A	Rosenberger Duplex Connector female (RDCf)
Insertion loss	max. 0.50 dB
Return loss	typ. 50 dB

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
Cable diameter, jacket	7 mm

FTTA Fiber Trunk
RDCf – 4F9μG657 - LCC

L98B-A0236-XXX

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
RoHS	compliant
UV resistance	acc. to IEC60068-2-5

Packing

Standard	
Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum (Ø 500 mm)
80 m ≤ Length < 150 m	1 pce on cardboard drum (Ø ext.500 mm)
Length ≥ 150 m	1 pce on cardboard drum (Ø 800 mm)

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	18/08/15	S.Schlomka	18/08/15	200	15-0005	A.Burggraf	30/10/15