



Top Side A	Fiber Chart	Bottom Side B
From:		To:
A		B
B		A

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

Description

These fiber optic cable assemblies connect base stations and remote radio heads in telecommunication applications. They can be used indoor and outdoor, are UV protected and HFFR rated.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-004-10000	10000	258
L98B-004-20000	20000	445
L98B-004-60000	60000	1193
L98B-004-100000	100000	1941

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 Rosenberger Duplex Connector (RDC), single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	HFFR

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Optical data

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A and G.652D
Cable attenuation	≤0.40 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connector A	Rosenberger Duplex Connector (RDC)
Insertion loss	Typ. 0.25 dB Max. 0.5 dB
Return loss	Typ. 50 dB
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	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)
Minimum bending radius single break-out element	
Single	20 mm
Repeated	20 mm
Max. tensile strength	100 N

Environmental data

Temperature range operation	-40°C to +85°C
Temperature range storage	-40°C to +70°C
Temperature range installation	-10°C to +60°C
RoHS	Compliant

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
H.Schütt	18/01/10	H.Schütt	30/03/11	600	13-0004	U.Albrecht	01/06/2016