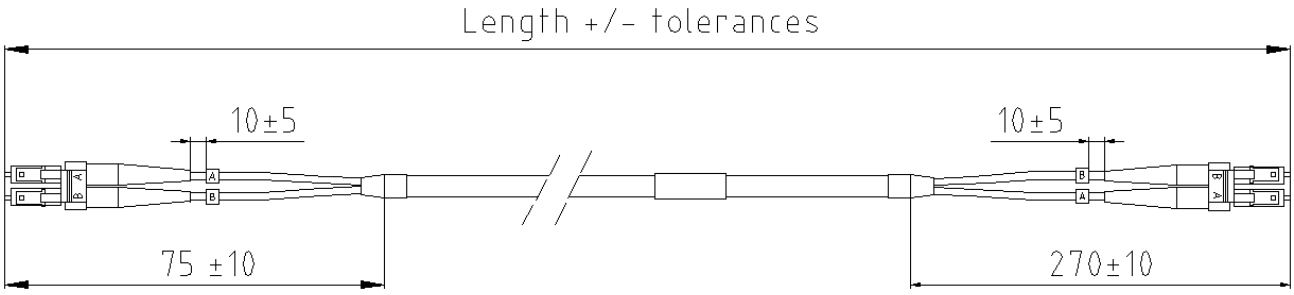
Technical Data Sheet - DRAFT

Rosenberger

FTTA Fiber Cable Assembly
LCD – 9uG657 - LCD

L98B-003-XXX



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-003-10000	10000±500	211
L98B-003-20000	20000±1000	398
L98B-003-60000	60000±1500	1146
L98B-003-100000	100000±1500	1894

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x LC-Duplex, single mode
Connector bottom	1 x LC-Duplex, single mode
Cable	HFFR

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Optical data

Cable	2 fibers	
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A and G.652D	
Insertion loss	≤ 0.40 dB / km	λ = 1310 nm
	≤ 0.25 dB / km	λ = 1550 nm
Connectors	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 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 +65 °C
2002/95/EC (RoHS)	compliant

Packing

Standard	
Length < 30 m	1 pce in bag
Length ≥ 30 m	1 pce in box

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H.Schütt	18/01/10	H.Schütt	30/03/11

Rev.	Engineering change number	Name	Date
400	11-0002	S.Gleich	29/03/11

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