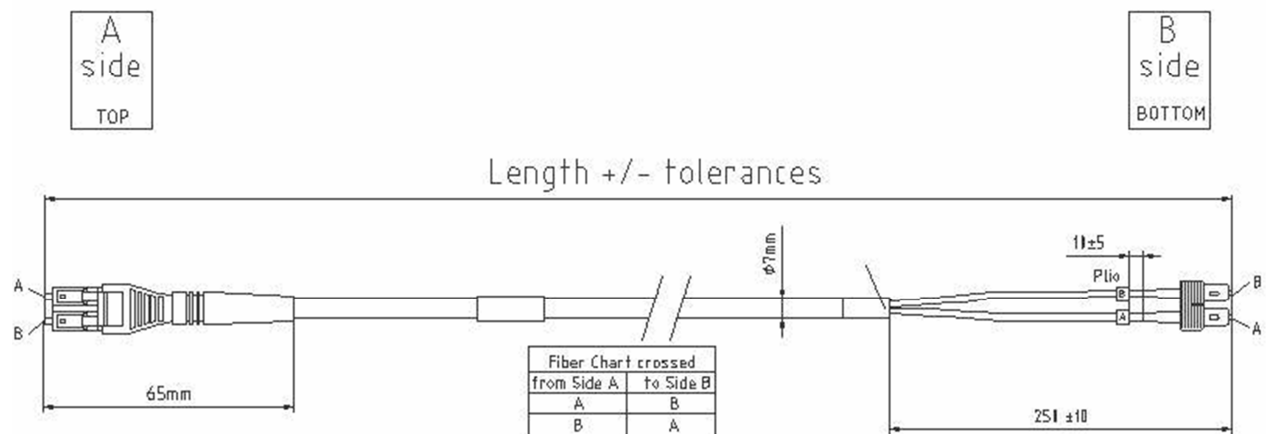


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

Fiber Optical Cable Assembly
LCD – 9 μ G657A1 - SCD

FB-L98B-294-XXXFT



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

Description

This product is a duplex single mode cable assembly for outdoor and indoor use. The A side uses an overmolded Rosenberger LC Compact connector. On side B an SC/UPC duplex connector is used. The fiber is bend insensitive G.657A1 according to ITU-T standard.

Available Variants

Type	Length (ft)
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L98B-294-20ft	20±3
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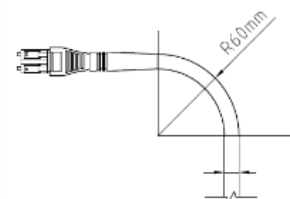
Cable assemblies in additional length variants are available.

Parts

Connector Side A	1x Rosenberger LC Compact, single mode
Connector Side B	1x SCD/UPC duplex, single mode
Cable	Duplex cable with PVC jacket

Optical data

Cable	2 fibres
Fiber	9/125 μ m single mode optical fibre according to ITU-T G.657A and G.652D
Insertion loss	≤ 0.35 dB / km $\lambda = 1310$ nm ≤ 0.25 dB / km $\lambda = 1550$ nm
Connector	LC-Compact
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)
Bending radius min. at boot	60mm



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Technical Data Sheet		Rosenberger Rosenberger Site Solutions, LLC					
Fiber Optical Cable Assembly LCD – 9μG657A1 - SCD		FB-L98B-294-XXXFT					
Connector Side B	SC-UPC						
Insertion loss	typ. 0.15 dB						
	max. 0.40 dB						
Return loss	typ. 55 dB (UPC)						
Mechanical data							
Cable diameter, jacket	7 mm						
Minimum bending radius cable							
Installation	105 mm						
Operation	70 mm						
Max. tensile strength cable							
Maximum tensile load	1200 N						
Crush resistance, long term	800 N / 100 mm						
Environmental data							
Temperature range operation	-40 °C to +85 °C						
Temperature range storage	-55 °C to +85 °C						
Flame retardancy	UL listed Type OFNR(1666)						
Packing							
Standard							
Length < 100 m	1 pce in bag and x 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
S.Gleich	06/10/14	A.Burggraf	06/10/14	100	14-0004	S.Gleich	06/10/14
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