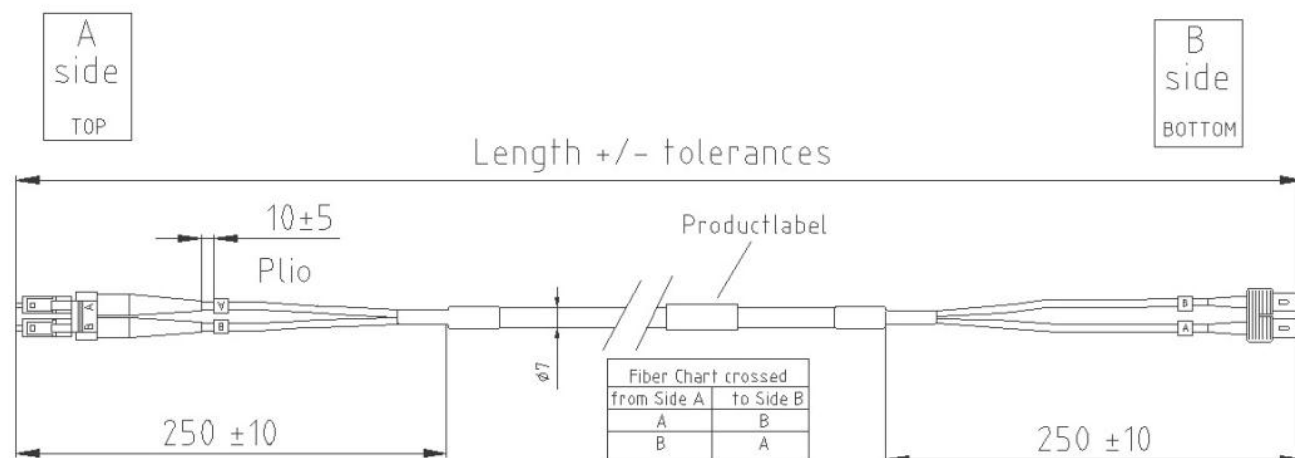




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

This product is a duplex single mode cable assembly for outdoor and indoor use. It has LCD/UPC duplex connectors on top side and SCD/UPC duplex connector on bottom side. The fiber is bend insensitive G.657A1 according to ITU-T standard.

Available Variants

Type	Length (mm)
L98B-191-500	500±50
L98B-191-1000	1000±50
L98B-191-1500	1500±100
L98B-191-2000	2000±100
L98B-191-3000	3000±100
L98B-191-5000	5000±100
L98B-191-7000	7000±100
L98B-191-10000	10000±100
L98B-191-15000	15000±100
L98B-191-20000	20000±100
L98B-191-35000	35000±100
L98B-191-50000	50000±100

Cable assemblies in additional length variants are available.

Parts

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

Optical data

Cable	2 fiber G657A1
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Technical Data Sheet		Rosenberger Rosenberger Site Solutions, LLC					
Fiber Optical Cable Assembly LCD – 9µG657A1 - SCD		FB-L98B-191-XXX					
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A1 and G.652D						
Attenuation Coefficient	≤ 0.5 dB / km	λ = 1310 nm					
	≤ 0.5 dB / km	λ = 1550 nm					
Connector Side A	LCD-UPC						
Insertion loss	typ. 0.10 dB						
	max. 0.30 dB						
Return loss	typ. 55 dB (UPC)						
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	105 mm						
Max. tensile strength cable							
Maximum tensile load	1200 N						
Crush resistance, long term	220 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						
Length > 300 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
U.Albrecht	04/09/13	S.Schlomka	07/01/14	100	13-0004	U.Albrecht	04/09/13
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