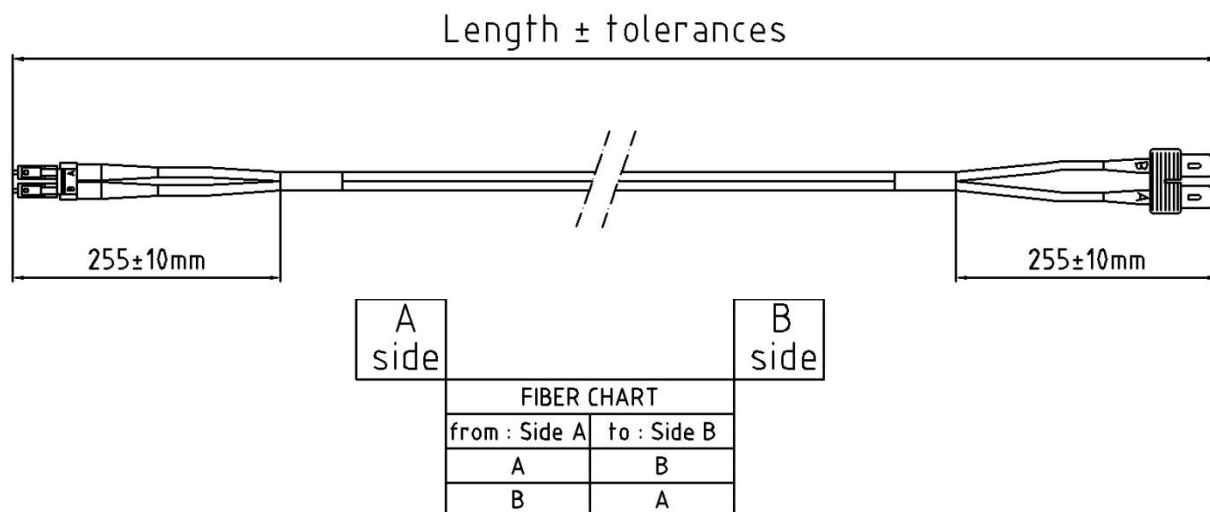




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

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

Available Variants

Type	Length (mm)
L98B-192-500	500±50
L98B-192-1000	1000±50
L98B-192-1500	1500±100
L98B-192-2000	2000±100
L98B-192-3000	3000±100
L98B-192-5000	5000±100
L98B-192-7000	7000±100
L98B-192-10000	10000±100
L98B-192-15000	15000±100
L98B-192-20000	20000±100
L98B-192-30000	30000±100
L98B-192-40000	40000±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 LSZH jacket

Optical data

Cable	2 fiber G657A1
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RF_35/06.10/1.0

Technical Data Sheet				Rosenberger Rosenberger Site Solutions, LLC			
Fiber Optical Cable Assembly LCD – 9µG657A1 - SCD				FB-L98B-192-XXX			
Fiber		9/125 µm single mode optical fiber according to ITU-T G.657A1 and G.652D					
Attenuation Coefficient		≤ 0.36 dB / km		λ = 1310 nm			
		≤ 0.22 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		2.1 x 4.3 mm					
Minimum bending radius cable							
Installation		10 mm					
Operation		10 mm					
Max. tensile strength cable							
Maximum pull force		400 N					
Crush resistance, long term		400 N / 100 mm (EN 187000-504)					
Environmental data							
Temperature range operation		-5 °C to +70 °C					
Temperature range storage		-25 °C to +70 °C					
Temperature range installation		-5 °C to +50 °C					
Flame retardancy		Acc. to IEC60332-1-2 and IEC60332-3-22 Cat.A					
Smoke density		Acc. to IEC61034					
Halogen-free		Acc. to IEC 60754-1 and IEC 60754-2					
2002/95/EC (RoHS)		compliant					
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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