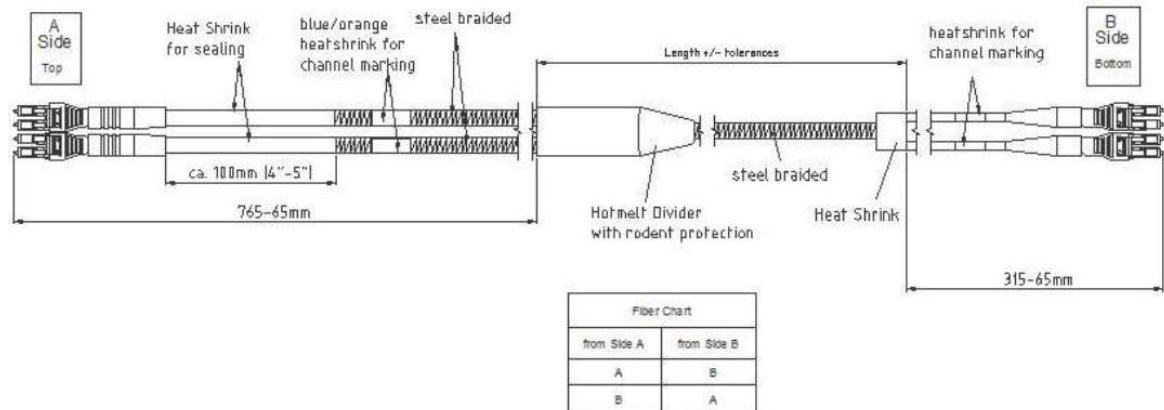




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

This 4 fiber optic jumper cable assembly connects remote radio heads (RRU) in telecommunication applications. Each side of the jumper cable assembly is equipped with 2 LC-Compact connectors. The main cable as well as the A Side are armored by a metal braid which ensures the best possible rodent protection. The connectors on top end (A Side) are overmolded, the connectors on bottom end (B side) come with standard boots. Divider on top end (A Side) is made in hotmelt technology and especially designed for solid straight connections, divider at bottom end (B side) is done with an heat shrink. The top end (A Side) is using 6mm armored fan-outs, the bottom end (B side) is using 2.9mm fan-out. This assembly could be used indoor and outdoor. The cable is UV protected and flame retardant.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0133-5000	5000	Tbd
L98B-A0133-10000	10000	Tbd
L98B-A0133-20000	20000	Tbd
L98B-A0133-35000	35000	Tbd
L98B-A0133-50000	50000	Tbd
L98B-A0133-75000	75000	Tbd

Length (m)	Tolerances (mm)
L ≤ 10	+100/-50
10 < L ≤ 30	+200/-100
L > 30	+/-1%

Cable assemblies in additional length variants are available.

Parts

Connector top	2 x LC-Compact, single mode, Black boot (molded)
Connector bottom	2 x LC-Compact, single mode, Blue boot
Cable	Flame retardant PVC acc. to IEC 60332-1, with armouring, stainless steel braid 0,2mm, black, UV resistance acc. to IEC60068-2-5, Good resistance to oil, petrol and leach.

Technical Data Sheet

Rosenberger

FTTA Fiber Cable Assembly
2xLCC – 9µG657 – 2xLCC, armored

FB-L98B-A0133-XXX

Optical data

Cable	4 fibres
Fiber	9/125 µm single mode optical fibre according to ITU-T G.657A 1
Attenuation Coefficient	≤ 0.40 dB / km ≤ 0.25 dB / km
Connector	LC-Compact
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	7 mm
Cable diameter, jacket inkl. armouring	7.9 mm
Cable diameter fanout A Side	5 mm
Cable diameter, jacket inkl. armouring	5.9 mm
Cable diameter fanout B Side	2.9 mm
Fiber marking:	coloured heatshrink
Channel 1:	blue heatshrink
Channel 2:	orange heatshrink

Minimum bending radius cable

Installation	119 mm
Operation	80 mm
Min. bending radius at boot (A Side)	60mm

Max. tensile strength cable

Installation	1200 N
Permanent	600 N
Crush resistance Short term	2200 N / dm
Crush resistance Long term	800 N / dm

Impact resistance acc. to IEC 60794-1-2, E4

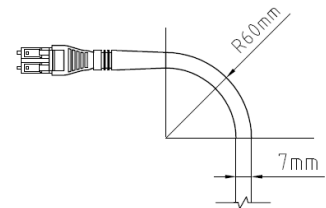
3 Impacts	1.5 Nm
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Environmental data

Temperature range operation	-40 °C to +85 °C
Temperature range storage	-55 °C to +85 °C
Temperature range installation	-20 °C to +60 °C
RoHS	compliant

Packing

Standard	
Length < 30 m	tbd
Length ≥ 30 m	tbd



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.Schlomka	11/12/14	S.Gleich	11/12/14	100	14-0004	S.Schlomka	11/12/14

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