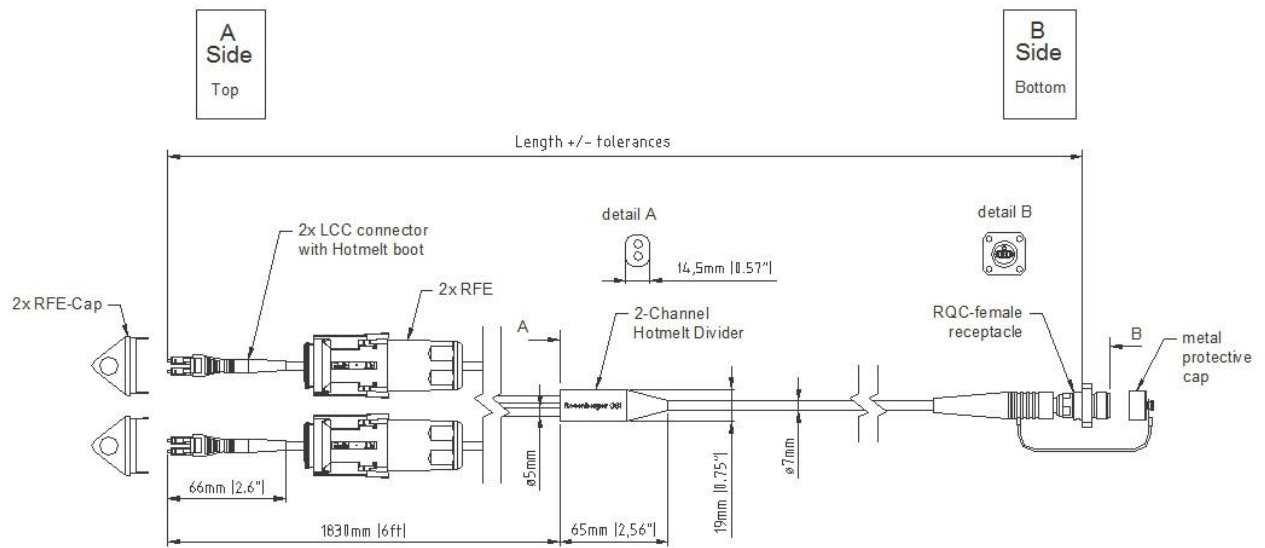


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
2xLCC+RFE – 9μG657 – RQC (f)

FB-L98B-A0102-XXX



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

Description

This FTTA trunk is using the 4 fiber Rosenberger Quad Connector (RQC) female on B Side. The A side is split in 2 individual channel. Each channel is using an overmolded Rosenberger LC Compact connector. The Rosenberger Fiber Enclosure is perfectly sealing each LC Connector when connected. Each RFE comes with a protection cap which can be used for hoisting the assembly. The assembly is fully water proofed (IP67) when connected.

Available Variants

Type	Length (mm)	weight (g) / pce
L98B-A0102-20000	20000±100	tbd
L98B-A0102-50000	50000±150	tbd
L98B-A0102-70000	70000±150	tbd
L98B-A0102-100000	100000±150	tbd

Cable assemblies in additional length variants are available on request.

Parts

Connector bottom	1 x 4 fiber RQC female with metal cap, single mode
Connector top	2x Rosenberger LC Compact, overmolded black shortboot.
RFE	2x Rosenberger fiber enclosure (see 98Z105-S00)
RFE cap	2x 98Z105-S00/53
Cable	FR PVC, black

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Optical data

Cable	4 fibers
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A2
Insertion loss	≤ 0.35 dB / km λ = 1310 nm ≤ 0.25 dB / km λ = 1550 nm
Connector side B	RQC female 4 fiber
Insertion loss	max. 0.50 dB
Return loss	typ. 50 dB (SM)
Connector side A	Rosenberger LC Compact
Insertion loss	max. 0.30 dB
Return loss	typ. 55 dB (UPC)

Mechanical data

Cable diameter, jacket	7,0 mm
Minimum bending radius cable	
Installation	105 mm
Operation	70 mm
Max. tensile strength cable	
Short-term	1200N
Long-term	600N
Crush resistance	
Short -term	2200 N / 100 mm
Long-term	800 N / 100 mm

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
Flame retardant	acc. to IEC 60332-1

Packing

Standard:	1 pce in box
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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	11/11/14	A.Koop	11/11/14	100	14-0004	U.Albrecht	11/11/14
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