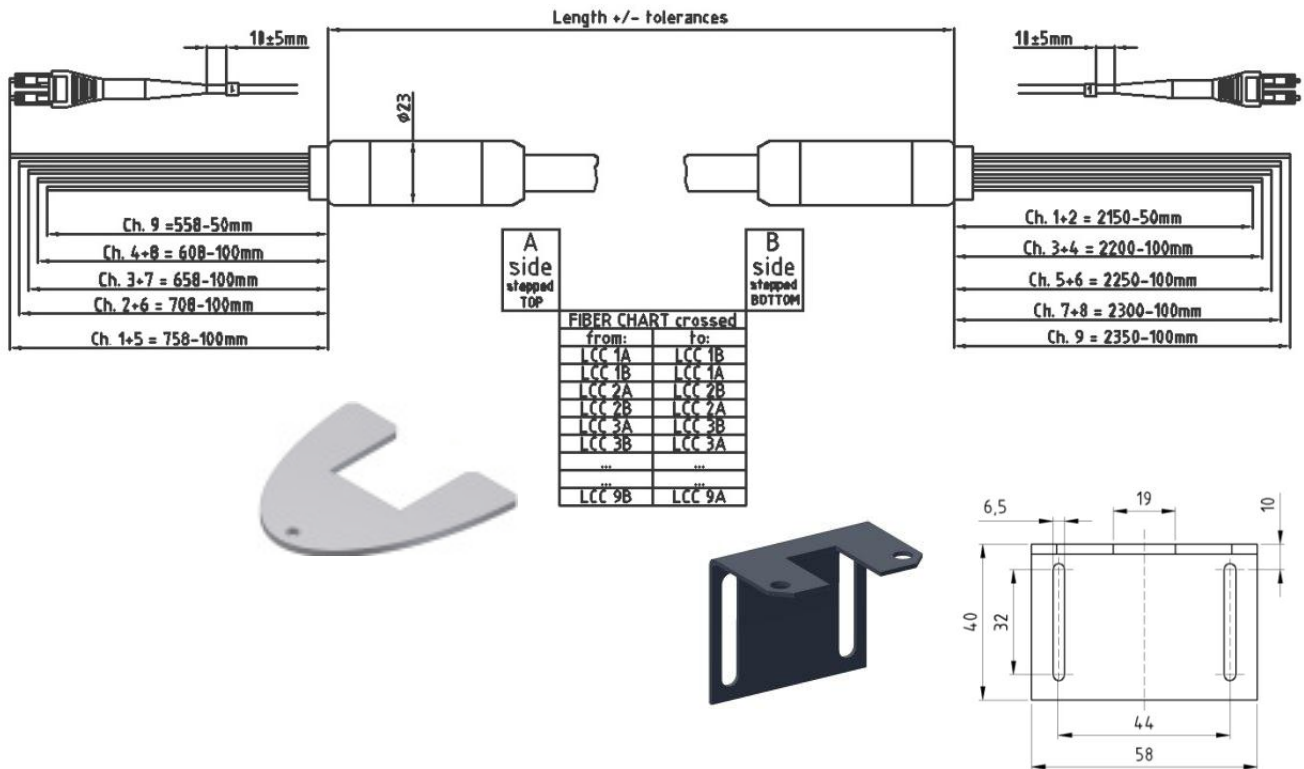


Technical Data Sheet

Rosenberger
Rosenberger Site Solutions, LLC

FTTA Fiber Trunk
LCC – 9uG657 - LCC

FB-L98B-158-XXX



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

Description

FTTA fibre trunks are fibre optical cable assemblies connecting base stations and remote radio heads in telecommunication applications. They can be used indoor and outdoor, are UV protected and riser rated. Connectors and fan-out are IP67 protected. This ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Available Variants

Type	Length (mm)	Length (feet)	weight (g) / pce
L98B-158-18300	18300±1000	60	1695
L98B-158-24400	24400±1500	80	2205
L98B-158-30500	30500±1500	100	2715
L98B-158-36500	36500±1500	120	3310
L98B-158-42600	42600±1500	140	3820
L98B-158-48700	48700±1500	160	4330

Cable assemblies in additional length variants are available.

Parts

Connector top	9 x LC-Compact Duplex, single mode
Connector bottom	9 x LC-Compact Duplex, single mode
Cable	OFNR, UL 1666
Fiber marking	Identification ring on single fan-out
Pulling sleeve	IP67 protection
Mounting bracket	1 pcs
Securing washer	1 pcs

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Optical data

Cable	18 fibers
Fiber	9/125 μ m single mode optical fiber according to ITU-T G.657A and G.652D
Attenuation Coefficient	≤ 0.35 dB / km $\lambda = 1310$ nm ≤ 0.25 dB / km $\lambda = 1550$ nm
Connectors	LC-Compact Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	10 mm
Protection tube diameter	34 mm
Minimum bending radius cable	
Installation	188 mm
Operation	94 mm
Max. tensile strength cable	
Installation	2700 N (607 lb)
Permanent	890 N (200 lb)
Crush resistance	2200 N / 100 mm (494 lb / 100 mm)
Minimum bending radius single fan-out	
Single	30 mm
Repeated	30 mm
Max. tensile strength	100 N (22 lb)

Environmental data

Temperature range operation	-40 °C to +80 °C (-40 °F to 176 °F)
Temperature range storage	-40 °C to +80 °C (-40 °F to 176 °F)
Temperature range installation	-10 °C to +65 °C (14 °F to 149 °F)
2002/95/EC (RoHS)	compliant

Packing

Standard:	
Length ≤ 15 m	1 pce in box
15 m < Length ≤ 75 m	1 pce on cardboard drum ($\varnothing$ 500 mm, 160mm)
75 m < Length ≤ 125 m	1 pce on cardboard drum ($\varnothing$ 500 mm, 250mm)
Length > 125 m	1 pce on cardboard drum ($\varnothing$ 800 mm)

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	17.07.13	A. Burggraf	17.07.13	100	13-0004	S.Gleich	17.07.13

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