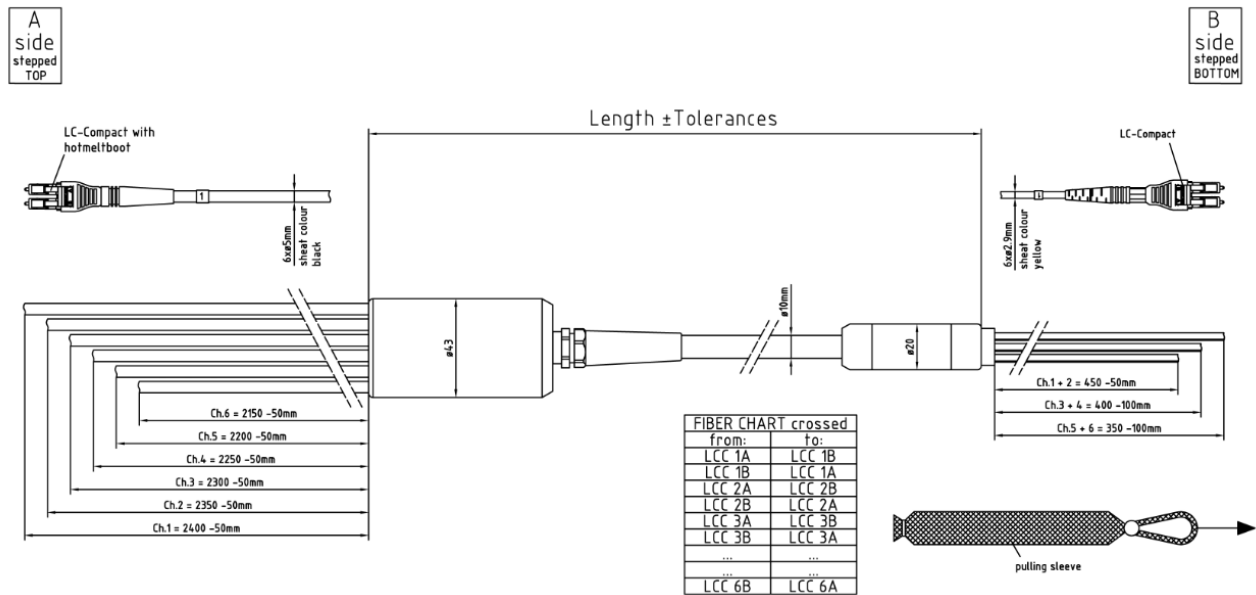




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

FTTA fiber trunks are fiber optical cable assemblies connecting base stations and remote radio heads in telecommunication applications. Long cable legs give the possibility of direct connection to the RRU and the equipment in the base station. The top side is equipped with 5mm outdoor fan-outs. LC Connector on A Side comes with Hotmelt boot and is especially designed for solid straight connections. The cable jacket is riser rated and UL listed, it can be used for indoor and outdoor applications. The protection of the Fan-outs ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0267-30FT	9150	tbd.
Length (m)	Tolerances (mm)	
L<=5	+/-50	
5<L ≤ 10	+/-100	
10<L ≤ 20	+/-200	
20 < L ≤ 50	+/- 500	
L>50	+/-1000	
Cable assemblies in additional length variants are available.		

Parts

Connector top	6 x LC-Compact Duplex, single mode
Connector bottom	6 x LC-Compact Duplex, single mode
Cable	OFNR, UL 1666, black
Fiber housing top	tbd.
Fiber marking top	Identification ring on single fan-out
Fiber marking bottom	Identification ring on single fan-out

Technical Data Sheet

Rosenberger

FTTA Fiber Trunk
LCC – 9μG657 – LCC

FB-L98B-A0267-XXX

Optical data

Cable	12 Fibers 9/125 μm single mode optical fiber according to ITU-T
Fiber	G657A and G52D
Cable attenuation	≤0.35 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connector A	LC-Compact Duplex
Insertion loss	typ. 0.1 dB max. 0.30 dB
Return loss	typ. 50 dB
Connector B	LC-Compact Duplex
Insertion loss	Typ. 0.10 dB Max. 0.30 dB
Return loss	Typ. 50 dB

Mechanical data

Cable diameter, jacket	10 mm
Protection tube diameter	tbd. mm
Minimum bending radius cable	
Installation	188 mm
Operation	150 mm
Max. tensile strength cable	
Installation	1750 N (607 lb)
Permanent	890 N (200 lb)
Crush resistance	1500 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	-20 °C to +60 °C
Temperature range storage	-25 °C to +70 °C
Temperature range installation	-5 °C to +50 °C
RoHS	compliant

Packing

Standard:	
Length ≤ 20 m	1 pce in box
20 m < Length < 80 m	1 pce on cardboard drum (Ø 500 mm)
80 m ≤ Length < 150 m	1 pce on cardboard drum (Ø ext.500 mm)
Length ≥ 150 m	1 pce on cardboard drum (Ø 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
A.Burggraf	04/02/16	S.Gleich	09.02.16	100	16-0003	A.Burggraf	04/02/16

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