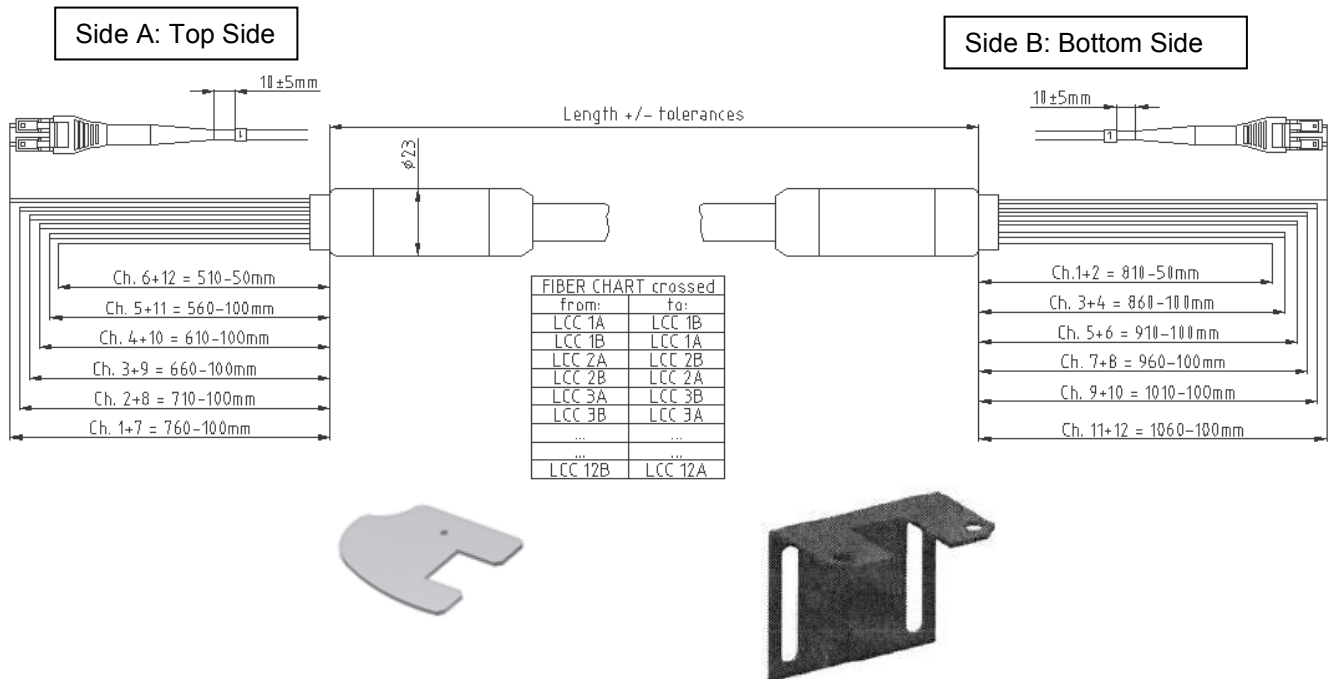




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

FTTA fiber trunks are fiber optical cable assemblies connecting base stations and remote radio heads in telecommunication applications. The jacket is UV resistant and UL rated, so the cable can be used indoor and outdoor. Connectors and fan-out are IP67 protected. The protection tube on both ends ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting. Long fan-out at the bottom allows the direct connection of network equipment, without additional ODF panels.

Available Variants

Type	Length (ft)	Length (mm)
FB-L98B-149-100	100±5	30500±1500
FB-L98B-149-150	150±5	45700±1500
FB-L98B-149-175	175±5	53300±1500
FB-L98B-149-200	200±5	61000±1500
FB-L98B-149-225	225±5	68600±1500
FB-L98B-149-250	250±5	76200±1500

Cable are assemblies in additional length variants available.

Parts

Connector top	12 x LC-Compact Duplex, single mode
Connector bottom	12 x LC-Compact Duplex, single mode
Cable	Riser rated jacket material; UL1666
Fiber marking	Identification ring on single fan-out
Pulling sleeve	IP67 protection
Securing washer	1 pcs 90°; 1pcs straight
Fixture	cable gland M40

Technical Data Sheet

FTTA Fiber Trunk
LCC – 9uG657 - LCC

FB-L98B-149-XXX FT

Optical data

Cable	24 fibers
Fiber	9/125 μ m single mode optical fiber according to ITU-T G.657A and G.652D
Insertion loss	≤ 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	200 mm
Operation	150 mm
Max. tensile strength cable	
Installation	2000 N
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	-20 °C to +60 °C (-4 °F to 122 °F)
Sunlight resistance	IEC 60068-2-5
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
A.Burggraf	04/06/13	S.Gleich	04/06/13	200	13-0110	A.Burggraf	05/06/13

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