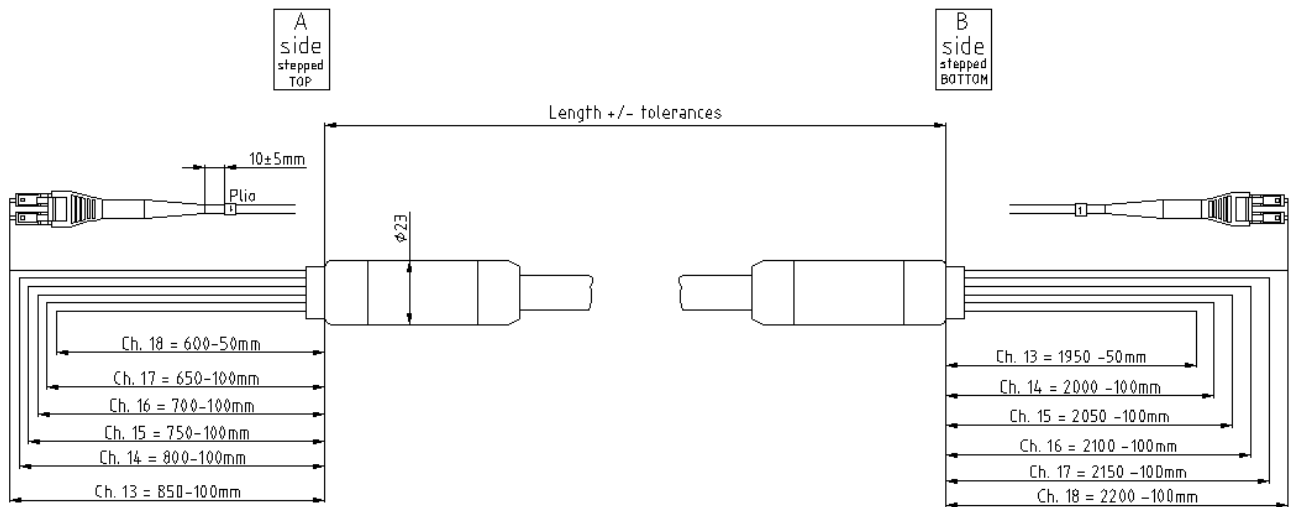




Fiber Chart

From:	To:
LCC 1A	LCC 1B
LCC 1B	LCC 1A
LCC 2A	LCC 2B
LCC 2B	LCC 2A
...	...
...	...
LCC 6A	LCC 6B
LCC 6B	LCC 6A

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. 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)	weight (g) / pce
FB-L98B-009-15000	15000±1500	1355
FB-L98B-009-30000	30000±1500	2709
FB-L98B-009-50000	50000±1500	4515
FB-L98B-009-75000	75000±1500	6772
FB-L98B-009-100000	100000±1500	9030
FB-L98B-009-125000	125000±1500	11287

Other length on request

Parts

Connector top	6 x LC-Compact Duplex, single mode
Connector bottom	6 x LC-Compact Duplex, single mode
Cable	OFNR, UL 1666
Fiber marking	Identification ring on single fan-out
Securing washer	1 pcs

Optical data

Cable	12 fibers G657A2		
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A and G.652D		
Attenuation	≤ 0,35 dB / km	λ = 1310 nm	
	≤ 0,20 dB / km	λ = 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	23 mm
Minimum bending radius cable	
Installation	188 mm
Operation	94 mm
Max. tensile strength cable	
Installation	2700 N (607 lbf)
Permanent	890 N (200 lbf)
Crush resistance	2200 N / 100 mm (494 lbf / 100 mm)
Minimum bending radius single fan-out	
Single	30 mm
Repeated	30 mm
Max. tensile strength	100 N (22 lbf)

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 ≤ 25 m	1 pce in box
25 m < Length	1 pce on cardboard drum

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	10/11/10	H.Schütt	15/12/10	100	10-0003	S.Gleich	15/12/10
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