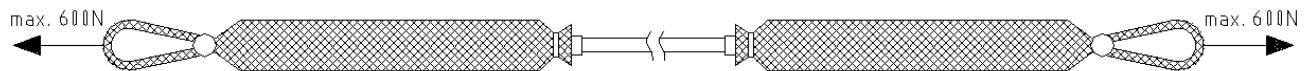


Top Side A	Fiber Chart		Bottom Side B
	From:	To:	
	LCC 1A	LCC 1B	
	LCC 1B	LCC 1A	
	LCC 2A	LCC 2B	
	LCC 2B	LCC 2A	
	LCC 3A	LCC 3B	
	LCC 3B	LCC 3A	



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 and are UV protected.. Connectors and fan-out are IP50 protected. This ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Available Variants

Type	Length (mm)
L98B-023-50000	50000±1500
L98B-023-75000	75000±1500
L98B-023-100000	100000±1500
L98B-023-1500000	150000±1500
L98B-023-2000000	200000±1500

Cable assemblies in additional length variants are available.

Parts

Connector top	3 x LC Duplex, single mode
Connector bottom	3 x LC Duplex, single mode
Cable	FRLS,
Fiber marking	Identification on single fan-out
Pulling sleeve	IP 50 protection

Optical data

Cable	PVC, 6 fibers	
Fiber	9/125 µm single mode optical fiber according to ITU-T G.657A and G.652D	
Insertion loss	≤ 0.35 dB / km	λ = 1310 nm
	≤ 0.25 dB / km	λ = 1550 nm
Connectors	LC Duplex	
Insertion loss	typ. 0.10 dB	
	max. 0.30 dB	
Return loss	typ. 50 dB (UPC)	

Mechanical data

Cable diameter, jacket	6 mm
Protection tube diameter	23 mm
Minimum bending radius cable	
Installation	120 mm
Operation	120 mm
Max. tensile strength cable	
Permanent	600 N (134 lb)
Crush resistance	350 N/cm (785 lb / 100 mm)
Minimum bending radius single fan-out	
Single	30 mm
Repeated	30 mm
Max. tensile strength	20 N (4 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 +65 °C (-4 °F to 149 °F)
RoHS	compliant
Flame retardancy	IEC60332-1
UV resistance	IEC60068-2-5

Packing

Standard	
Length ≤ 75 m	1 pce in cardboard box
Length > 75 m	1 pce on cardboard drum (Ø 500 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	25.3.2011	Gramsamer J.	11/07/11	200	13-0003	S.Schlomka	23/07/13

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