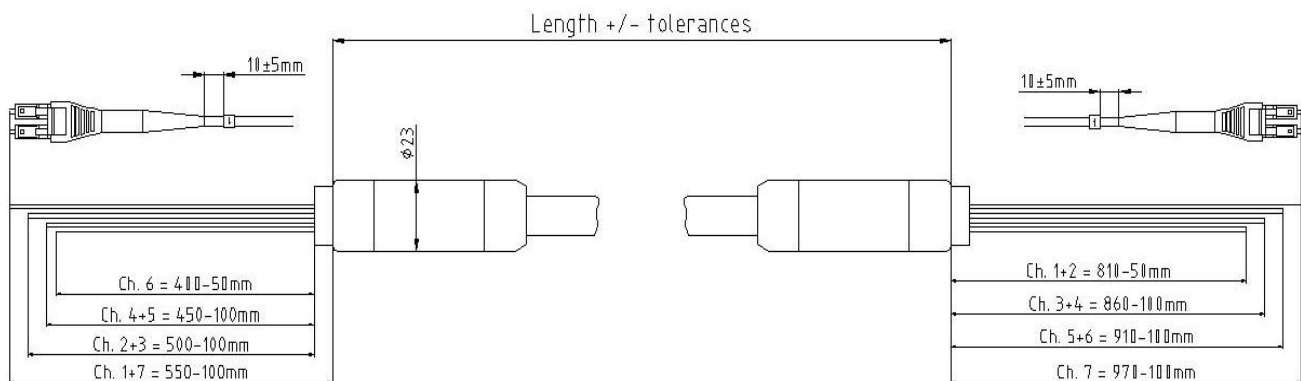


FTTA Fiber Trunk

FB-048A0101-XXX



FIBER CHART crossed	
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
...	...
...	...
LCC 7B	LCC 7A

All dimensions are in mm; tolerance according to ISO2768 m-H

Application:

FTTA fiber trunks are fiber optical cable assemblies connecting base stations and remote radio heads in telecommunication applications. The jacket is LSZH and UV resistant, so the cable can be used indoor and outdoor.

Connectors and fan-out are IP67 protected. This ensures easy handling in an outdoor environment. A pulling sock eases cable hoisting.

Long fan-out at the bottom allow the direct connection of network equipment, without additional ODF panels.

Available variants

Part #	Length	Weight
FB-048A0101-150	150±5	4819 g

Cable assemblies in additional length variants are available.

FTTA Fiber Trunk

FB-048A0101-XXX

Parts

Connector top	7 x LC-Compact Duplex, single mode
Connector bottom	7 x LC-Compact Duplex, single mode
Cable	Halogen free flame retardant material; UL1666
Fiber marking	Identification on single fan-out
Pulling sleeve	IP67 protection
Securing washer	1 pcs90°; 1pcs straight
Attachments	cable gland M40

Optical data

Cable	14 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-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 outer diameter	34 mm
Minimum bending radius cable	
Installation	200 mm
Operation	150 mm
Max. tensile strength cable	
Installation	2000 N
Crush resistance	3000 N / 100 mm (300N/cm)
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

Length ≤ 15 m	1 pce in box
15 m < Length ≤ 50 m	1 pce on cardboard drum (Ø 500 mm)
Length > 50 m	1 pce on cardboard drum (Ø 800 mm)