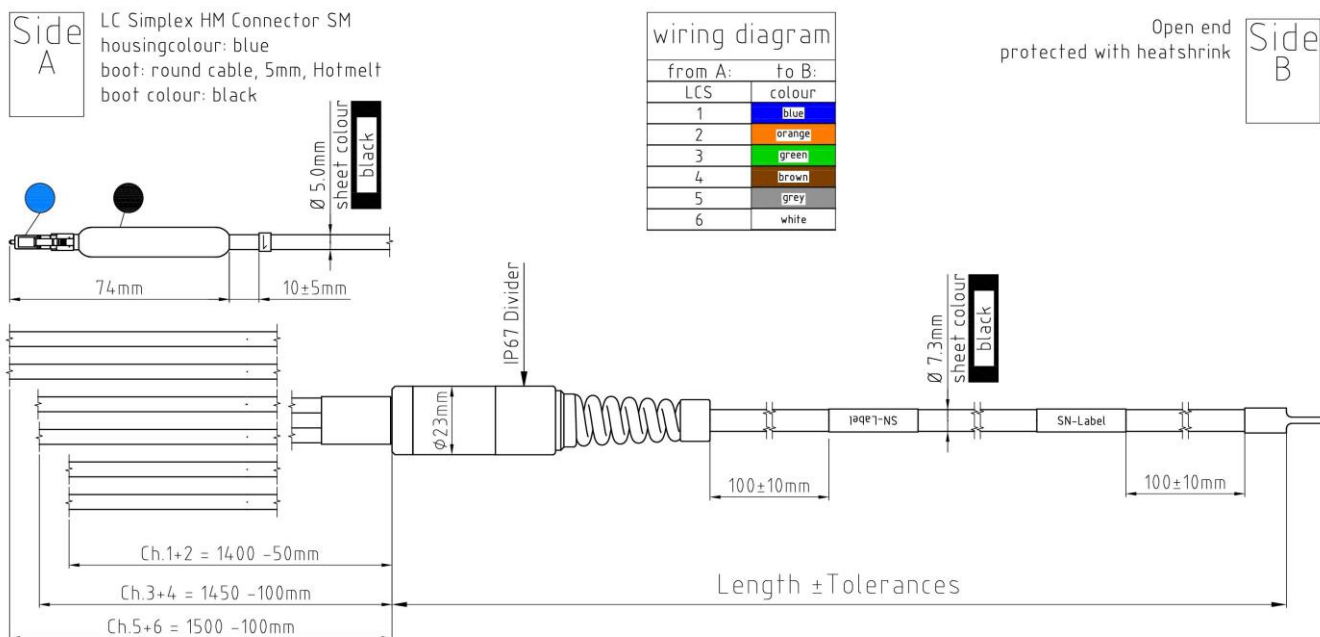




All dimensions are in mm; tolerances according to ISO 2768 m-H

Description

FTTA direct trunks are fiber optical cable assemblies, connecting base stations and remote radio heads in telecommunication applications. Long cable legs on top end give the possibility of direct connection to the RRU. The top end is equipped with 5mm outdoor fan-outs. The bottom end (B side) is open end for splicing. The cable jacket is LSZH and UV protected, the cable can be used indoor and outdoor. The pulling sock on side A eases cable hoisting.

Available Variants

Type Length (mm)

L98B-A1061-10000	10000
L98B-A1061-30000	30000
L98B-A1061-50000	50000
L98B-A1061-70000	70000

Length (m) Tolerances (mm)

L ≤ 10	+/-500
10 < L ≤ 30	+/-1000
30 < L ≤ 100	+/-1500
L > 100	+/-2%

Cable assemblies in additional length variants are available.

Parts

Connector top	6x LC-Simplex, single mode, Black boot (molded)
Connector bottom	NA
Cable	LSHF-FR (FRNC), black
Fiber marking	Identification ring on single fan-out

Optical data

Cable	12 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A and G.652D
Cable attenuation	≤0.35 dB / km λ = 1310 nm ≤0.25 dB / km λ = 1550 nm
Connectors	LC-Simplex
Insertion loss	Max. 0.30 dB
Return loss	Typ. 55 dB

Mechanical data cable

Cable diameter, jacket	7.3 mm
Minimum bending radius cable	
Installation	146 mm
Operation	73 mm
Max. tensile strength cable	
Installation	3000 N
Permanent	1000 N
Crush resistance	3500 N / 100 mm
Minimum bending radius single fan-out	
Single	30 mm
Repeated	30 mm
Max. tensile strength	100 N

Environmental data cable

Temperature range operation	-30 °C to +70 °C
Temperature range storage	-40 °C to +70 °C
Temperature range installation	-15 °C to +40 °C
RoHS/REACH	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.Koop	01/09/21	A.Burggraf	01/09/21	300	21-0003	P.Maier	10/09/21