



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

Description

This fiber optic cable assembly is used as feeder cable in telecommunication applications. Side A is equipped with an LC simplex connector which is molded. It's especially designed for solid and straight connections. The connector on B is a Plug H connector with SC APC interface. This H connector is mateable with the Corning OptiTap®. The assembly can be used indoor and outdoor. The cable is flame retardant, riser rated and UV resistant.

Available Variants

Type	Length (mm)
L98B-A1017-1000	1000
L98B-A1017-30000	30000

Length (m)	Tolerances (mm)
L ≤ 10	+100/-50
10 < L ≤ 30	+200/-100
L > 30	+/-1%

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x LC-Simplex, overmolded, single mode
Connector bottom	1 x H connector Plug, SC APC interface, single mode
Cable	PVC black jacket; 2 fiber loose tube cable, Flame retardant, UV resistant, Singlemode G657A1, LSZH, OFNR

Optical data

Cable	1 Fiber 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A1 and G652D
Cable attenuation	≤ 0.35 dB / km λ = 1310 nm ≤ 0.21 dB / km λ = 1550 nm

Connector A side

Insertion loss

LC-Simplex

typ. 0.10 dB

max. 0.30 dB

Return loss

typ. 50 dB (UPC)

Bending radius min. at boot

60 mm

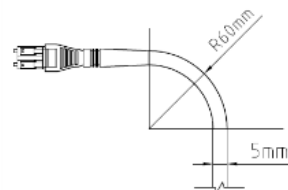
Connector B side

H connector Plug, SC APC

Insertion loss

typ. 0.25 dB

max. 0.5 dB



Mechanical data

Cable diameter, jacket

4.8 mm

Minimum bending radius cable

Installation

60 mm

Operation

30 mm

Max. tensile strength cable

Installation

450 N

Permanent

300 N

Crush resistance short term

3000 N / dm (IEC 60794-1-2, method3)

Crush resistance long term

1000N / dm (IEC 60794-1-2, method3)

Environmental data

Temperature range operation

-40 °C to +85 °C

Temperature range storage

-40 °C to +70 °C

Temperature range installation

-20 °C to +60 °C

RoHS

compliant

Packing

Standard

Length < 30 m

1 pce in bag

Length ≥ 30 m

1 pce in box

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
L.Meinel	06/04/21	S.Wiener	06/04/21	100	21-0003	A.Burggraf	06/04/21