



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

Description

This product is a duplex single mode cable assembly for indoor use. It has E2000/APC connectors on side A and LC/UPC with short boot connectors on side B. The fiber is bend insensitive G657A1 according to ITU-T standard.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98B-A0272-500	500	
L98B-A0272-1000	1000	
L98B-A0272-1500	1500	
L98B-A0272-2000	2000	
L98B-A0272-2500	2500	
L98B-A0272-4000	4000	
L98B-A0272-5000	5000	
L98B-A0272-7000	7000	
L98B-A0272-10000	10000	
L98B-A0272-15000	15000	
L98B-A0272-20000	20000	
L98B-A0272-30000	30000	
L98B-A0272-40000	40000	

Length (m)	Tolerances (mm)
L ≤ 5	+/-50
5 < L ≤ 10	+/-100
10 < L ≤ 20	+/-200
20 < L ≤ 50	+/- 500
L > 50	+/-1000

Cable assemblies in additional length variants are available.

Parts

Connector Side A	2 x E2000/APC duplex, single mode
Connector Side B	2 x LC/UPC duplex (short boot), single mode
Cable	Duplex cable with yellow LSZH jacket

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Optical data

Cable	2 Fibers 9/125 µm single mode optical fiber according to ITU-T
Fiber	G657A1
Cable attenuation	≤0.36 dB / km λ = 1310 nm ≤0.22 dB / km λ = 1550 nm
Connector side A	E2000-APC
Insertion loss	typ. 0.20 dB max. 0.40 dB
Return loss	typ. 70 dB (APC)
Connector side B	LC-UPC
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 55 dB (UPC)

Mechanical data

Cable diameter, jacket	2.1 x 4.3 mm
Minimum bending radius cable	
Installation	10 mm
Operation	10 mm
Max. tensile strength cable	
Maximum pull force	400 N
Crush resistance, long term	400 N / 100 mm (EN 187000-504)

Environmental data

Temperature range operation	-5 °C to +70 °C
Temperature range storage	-25 °C to +70 °C
Temperature range installation	-5 °C to +50 °C
Flame retardancy	Acc. to IEC60332-1-2 and IEC60332-3-22 Cat.A
Smoke density	Acc. to IEC61034
Halogen-free	Acc. to IEC 60754-1 and IEC 60754-2
2002/95/EC (RoHS)	compliant

Packing

Standard:	
Length < 100 m	1 pce in bag and x pce in box
Length > 300 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
S.Schlomka	27/07/16	U.Albrecht	27/07/16	100	16-0004	S.Schlomka	27/07/16