



Top Side A	Fiber Chart		Bottom Side B
	From:	To:	
	A	B	
	B	A	

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

Description

These fiber optic cable assemblies connect base stations and remote radio heads in telecommunication applications. They can be used indoor and outdoor, are UV protected and HFFR rated.

Available Variants

Type	Length (mm)	Weight (g) / pce
L98C-144-10000	10000	211
L98C-144-20000	20000	398
L98C-144-60000	60000	1146
L98C-144-100000	100000	1894

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 top	1 x LC-Duplex, Multimode
Connector bottom	1 x LC-Duplex, Multimode
Cable	PU-HFFR, black

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Optical data

Cable	2 fibers
Fiber	50/125 µm OM2 Multimode optical fiber
Insertion loss	≤ 2.7 dB / km ≤ 0.7 dB / km
Connectors	LC-Duplex
Insertion loss	typ. 0.10 dB max. 0.30 dB
Return loss	typ. 50 dB (UPC)

Mechanical data

Cable diameter, jacket	4.9 mm ±0,3
Minimum bending radius cable	
Installation	100 mm
Operation	100 mm
Max. tensile strength cable	
Installation	700 N
Permanent	400 N
Crush resistance	3000 N / 100 mm (IEC 60794-1-2 clause 7.3)
Minimum bending radius break-out element	
Single	20 mm
Repeated	20 mm
Max. tensile strength	100 N

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 ≤ 50 m	in bag and box
50m < Length ≤ 100 m	in box
Length >100 m	on drum and 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
U. Albrecht	04/11/16	S.Schlomka	04/11/16	100	16-0002	U.Albrecht	04/11/16