

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

Description

These fibre optic jumper cable assemblies connect remote radio heads in telecommunication applications. Side A is equipped with an RDC male connector, side B with an LC-Compact connector. The divider on side B is overmolded and especially designed for solid straight connections. These fibre optic cable assemblies could be used indoor and outdoor. The cable is UV protected and riser rated. The Rosenberger Duplex Connector (RDC) is intermateable with ODC®-2.

Available Variants

Type	Length (mm)	weight (g) / pce
L98C-046-1000	1000±500	150
L98C-046-30000	30000±1000	1600

Cable assemblies in additional length variants are available.

Parts

Connector top	1 x Rosenberger Duplex Connector (RDC male), Multi mode
Connector bottom	1 x LC-Compact, Multi mode
Cable	FRNC, SLZH, Flame retardant acc. to IEC 60332-1

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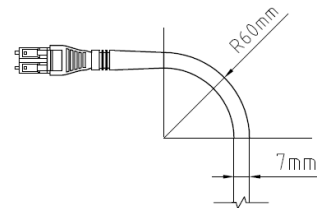
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Optical data

Cable 2 fibres
 Fiber 50/125 µm OM2 multi mode optical fiber
 Insertion loss ≤ 2.70 dB / km λ = 850 nm
 ≤ 0.70 dB / km λ = 1300 nm

Connector Rosenberger Duplex Connector (RDC)
 Insertion loss typ. 0.25 dB
 max. 0.5 dB

Connector LC-Compact
 Insertion loss typ. 0.10 dB
 max. 0.30 dB
 Bending radius min. at boot 60mm



Mechanical data

Cable diameter, jacket 7 mm
Minimum bending radius cable
 Installation 105 mm
 Operation 70 mm
Max. tensile strength cable
 Installation 1200 N
 Permanent 600 N
Crush resistance
 Short term 2200 N / dm
 Long term 800 N / dm
Impact resistance acc. to IEC 60794-1-2, method E4
 3 Impacts 1.5 Nm

Environmental data

Temperature range operation -40 °C to +80 °C
 Temperature range storage -40 °C to +80 °C
 Temperature range installation -20 °C to +60 °C
 2002/95/EC (RoHS) compliant
 UV resistance acc. to DIN53387, Procedure 1, condition A
 No resistance to oil, petrol, acid and leach

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
A.Burggraf	26/11/12	S.Gleich	26/11/12	200	13-0003	D.Eisenhut	14/11/13

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