

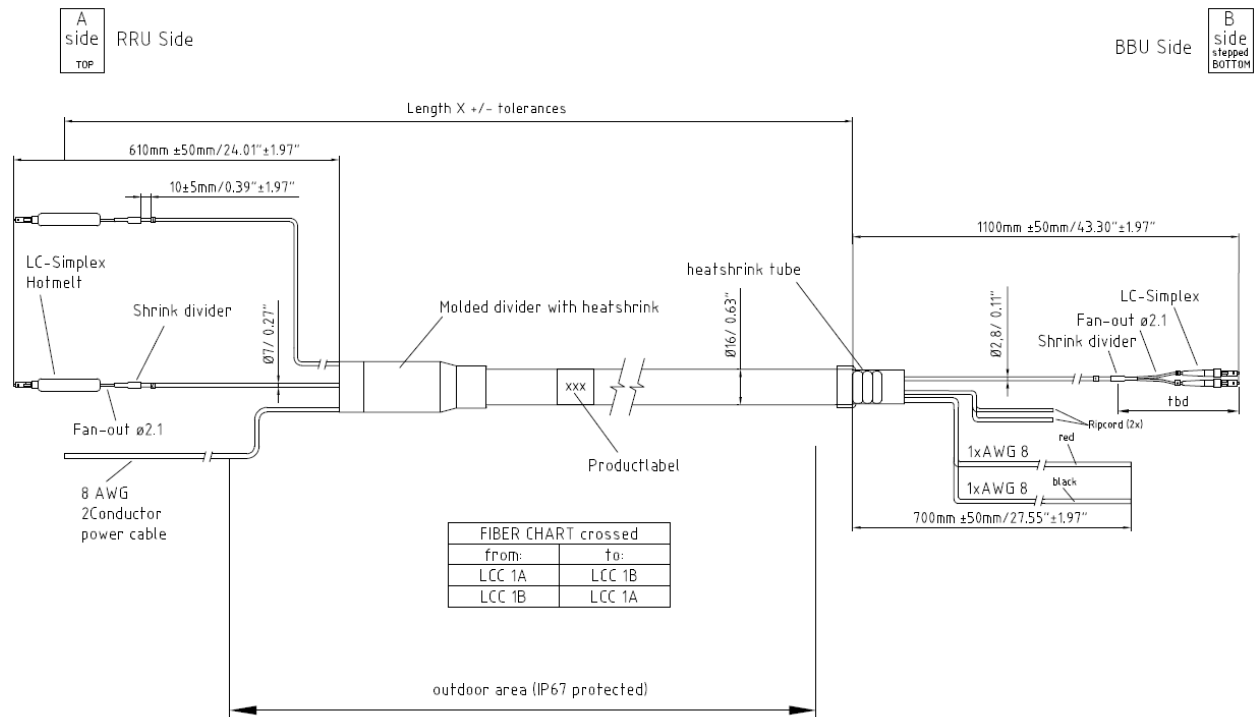
Technical Data Sheet

Rosenberger

FTTA Hybrid Jumper

2LCS+2x8AWG-1F9μG657A2-2LCS+2x8AWG

HJ-K412012XX



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

Description

This 1 fiber FTTA hybrid jumper cable assembly connects remote radio heads (RRU) in telecommunication applications.

Side A consist of a 7 mm FO fan-out with two overmolded LC Simplex connector as well as two 2 conductor 8 AWG shielded power connection fan-out. The B Side of the corrugated hybrid jumper is designed to be connected to a FTTA box solution providing a 2,8 mm fan-out with 2 LCS and a 2 wire 8 AWG interface for power connection.

Two ripcords below the copper tape provide an easy way to cut back the cable jacket on Side B.

The assemblies can be used indoor and outdoor, are UV protected and flame retardant.

Available Variants

Type	Length (Ft)	weight (g)/(lb) / pce
HJ-K41201206	6	tbd
HJ-K41201209	9	tbd
HJ-K41201212	12	tbd
HJ-K41201215	15	tbd

Length (m)

L ≤ 10

10 < L ≤ 20

Tolerance (mm)

+100/- 50

+/- 200

Other length on request Please mind derating!

Parts

Connector A	2 x LC Simplex overmolded, single mode
Connector B	2 x LC Simplex - single mode
Cable	FRNC, UL Type 21285 black
Fiber marking	Identification ring on single fan-out

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Ripcord

2x diametrically under corrugated copper-tape

Optical data

Cable

1 fibers

Fiber

9/125 µm single mode optical fiber according to ITU-T G.657A2

Cable attenuation

≤ 0.40 dB / km

λ = 1310 nm

≤ 0.25 dB / km

λ = 1550 nm

Connector A

LC Simplex Overmolded

Insertion loss

max. 0.30 dB

Return loss

typ. 55 dB (UPC)

Connector B

LC Simplex

Insertion loss

max. 0.30 dB

Return loss

typ. 55 dB (UPC)

Electrical data

Power conductors

2 (black / red)

Conductor resistance

1.68 Ohm/1000ft@20°C

Operating voltage

150 V

Test voltage (rms 50Hz 1min)

1500 V

Derating according to

DIN EN60512-5-2: tbd

Mechanical data

Overall cable diameter, jacket

Ø16 +/- 0.3 mm

Divider Side A

~Ø36mm / ~150mm length

Fiber cable diameter

Ø7.0mm (Side A)

Ø2.8mm (Side B)

Power cable diameter

AWG8 Ø5,4mm (Side A)

AWG8 Ø5,4mm (Side B)

Shield conductor main cable

copper corrugation ½ Inch

Minimum bending radius

Cable

Repeated

240 mm

Single

160 mm

FO Fanout (Ø2.8mm)

Min. Bending Radius (Installation)

45 mm

Min. Bending Radius (In use)

30 mm

Max. tensile strength

Cable

500N

Fanout Side A (Ø7.0mm)

70N

Fanout- Side B (Ø2.8mm)

70N

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FTTA Hybrid Jumper 2LCS+2x8AWG-1F9μG657A2-2LCS+2x8AWG				HJ-K412012XX			
Environmental data Temperature range operation Temperature range storage Temperature range installation RoHS Low Smoke, Fire retardant, Zero Halogen Flame retardant Halogen free Sunlight resistant Smoke-density -40 °C (-40 °F) up to 85 °C (185 °F) -40 °C (-40 °F) up to 85 °C (185 °F) -25 °C (-13 °F) up to 70 °C (158 °F) compliant (Directive 2011/65/EC) UL –Style 21285 (80°C/150V) acc. to IEC 60332-3-24 (Cat. C) acc. to IEC 60754-1 acc. to UL 2556 Sec. 4.2.8.5 acc. to IEC 61034							
Packing Standard: 1 pcs in plastic bag							
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
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