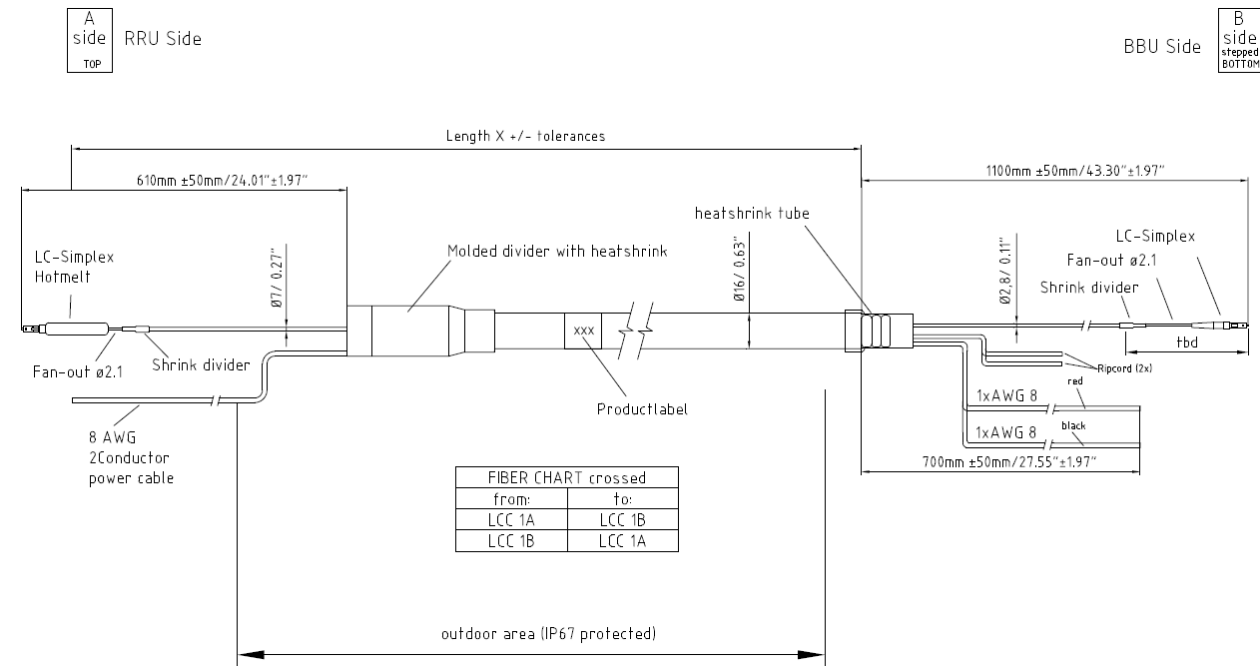


Technical Data Sheet

Rosenberger

FTTA Hybrid Jumper
LCS-1F9μG657A2-LCS+2xAWG8

HJ-K211011XX



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 an overmolded LC simplex connector as well as a 2 wire 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 LC simplex fan-out and a 2 wire 8 AWG interface for power connection.

Two ripcords underneath 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-K211011XX		tbd

Length (m)	Tolerance (mm)
L ≤ 10	+100/- 50
10 < L ≤ 20	+/- 200

Different length variants are available on request.

Parts

Connector A	1 x LC Simplex - overmolded, single mode
Connector B	1 x LC Simplex - single mode
Cable	FRNC, UL Type 21285 black
Fiber marking	Identification ring on single fan-out
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 connectors	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	~Ø30mm / ~150mm length
Fiber cable diameter	Ø7.0mm (Side A) Ø2.8mm (Side B)
Power cable diameter	AWG8 Ø6mm (Side A) AWG8 Ø6mm (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 LCS-1F9µG657A2-LCS+2xAWG8				HJ-K211011XX			
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
D. Nothegger	04/05/18	S.Gleich	04/05/18	100	18-0004	S.Gleich	04/05/18
Corporate Headquarters Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O. Box 1260 D-84526 Tittmoning Germany Tel. +49 8684 18-0				Rosenberger Site Solutions, LLC P.O. Box 4268, Lake Charles, LA 70606 Ph.337.598.5250 Fax: 337.598.5290 rlss@rlss.us www.RosenbergerOnline.us			Page 3 of 3