



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

Description

This 4 fiber FTTA hybrid jumper cable assembly connects remote radio heads (RRU) in telecommunication applications. Side A consist of a 5,0 mm outdoor FO fan-out with LC Compact Connectors. The connectors on top have a thin heatshrink for protection allowing usage of grommets. The divider on B Side of the hybrid jumper is designed to be connected indoor. The LCC connectors have a solid hotmelt boot and 5mm fanout. The power cable has two conductors with 12AWG conductors each. The assemblies is UV protected and flame retardant.

Available Variants

Type	Length (Ft)
HJ-M6030xxx	xxx
Examples	
HJ-M6030010	10FT
HJ-M6030020	20FT

Length (m)	Tolerance (mm)
L ≤ 10	+100/- 50
10 < L ≤ 30	+/- 200
L > 30	+/- 1%

Other length on request. Please mind derating!

Parts

Connector A	2 x LC Compact Duplex - single mode, with think heatshink
Connector B	2 x LC Compact Duplex - single mode with solid hotmelt
Power A	no connector
Cable	FRPE, UL1581, 21285 black
Fiber marking	Identification ring on single fan-out



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FTTA Hybrid Jumper
 2xLCC+2xAWG12 with 4F 9µG657A2 to
 2xLCC+2xAWG12

HJ-M6030XX

Optical data

Cable 2x2 fibers cable, LSZH, 5mm
 Fiber 9/125 µm single mode optical fiber according to ITU-T G.657A2
 Cable attenuation ≤ 0,4 dB / km λ = 1310 nm
 ≤ 0,3 dB / km λ = 1550 nm

Connector A LC Compact Duplex
 Insertion loss max. 0.30 dB
 Return loss typ. 55 dB (UPC)

Connector B LC Compact Duplex
 Insertion loss max. 0.30 dB
 Return loss typ. 55 dB (UPC)

Electrical data

Power conductor 2 stranded tinned copper wire AWG12 (blue / grey),
 Power cable Jacket FRPE
 Conductor resistance DC @20°C < 5,64Ohm/km @20°C
 Test voltage AC(50Hz 1min) 1500 V / no break

Mechanical data

Overall cable diameter, jacket Ø16 +/- 0.6 mm
 Divider Side A ~Ø 20,5mm / ~100mm length
 Divider Side B ~Ø 18mm / ~50mm length

Fiber cable diameter Ø 5,0mm (Side A)
 Ø 5,0mm (Side B)
 Power fanout diameter 2xAWG12 Ø6,8mm +/- 0,3 mm (Side A)
 2xAWG12 Ø6,8mm +/- 0,3mm (Side B)

Minimum bending radius Fiber Cable

Installation 100 mm
 Operation 50 mm

Environmental data

Temperature range operation -40 °C (-40 °F) up to 70 °C (158 °F)
 Temperature range storage -40 °C (-40 °F) up to 70 °C (158 °F)
 Temperature range installation -25 °C (-13 °F) up to 70 °C (158 °F)
 RoHS compliant (Directive 2011/65/EC)
 Sunlight resistant acc. to UL 1581

Packing

Standard: 1 pc on drum



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Technical Data Sheet

Rosenberger

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2xLCC+2xAWG12

HJ-M6030XX

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
S.Gleich	03/04/24	L.B.	10/1024	200	24-0004	S.Gleich	03/04/24



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