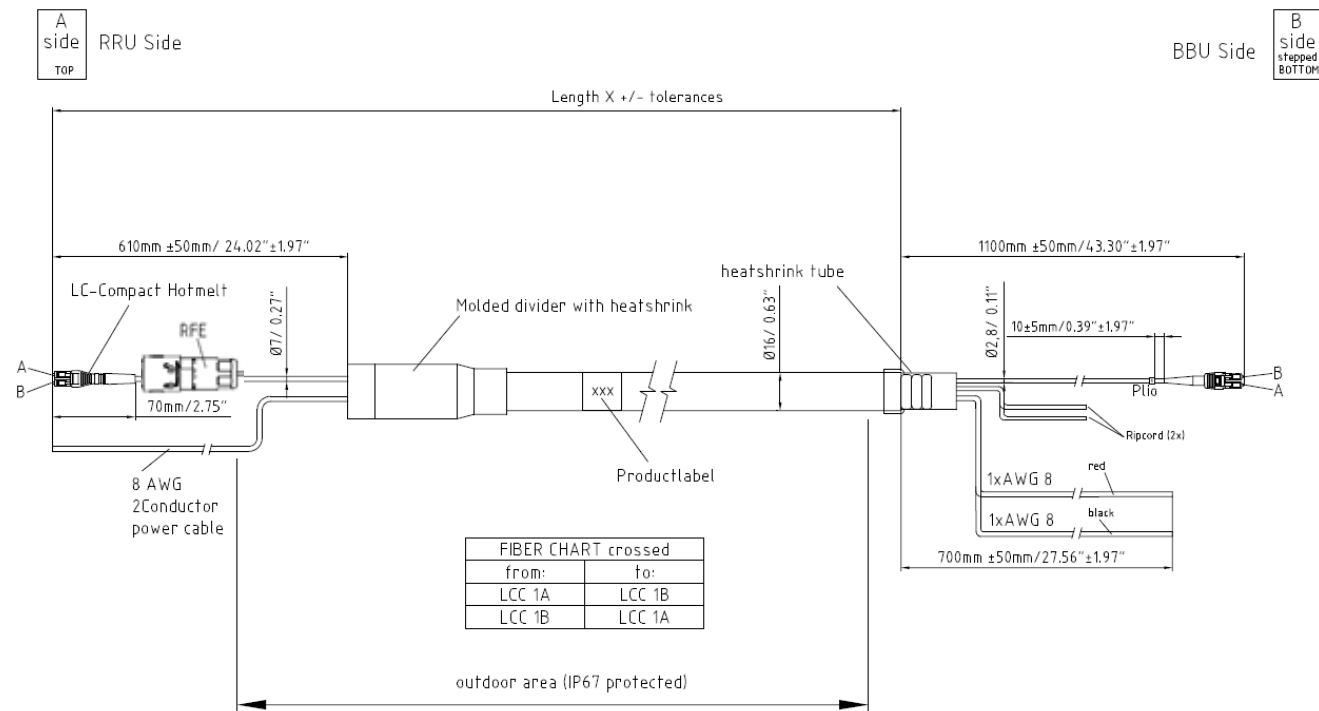




All dimensions are in mm; tolerances according to ISO 2768 m-H

### Description

This 2 fiber FTTA hybrid jumper cable assembly connects remote radio heads (RRU) in telecommunication applications. Side A consists of a 7 mm FO fan-out with an overmolded LC Compact connector, which is protected with an RFE housing, 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 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  
HJ-H200023XX

Length (Ft)

weight (g)/(lb) / pce  
tbd

Length (m)  
L ≤ 10  
10 < L ≤ 20

Tolerance (mm)  
+100/- 50  
+/- 200

### Parts

|               |                                                 |
|---------------|-------------------------------------------------|
| Connector A   | 1 x LC Compact Duplex - overmolded, single mode |
| Connector B   | 1 x LC Compact Duplex - single mode             |
| Cable         | FRNC, UL Type 21285 black                       |
| Fiber marking | Identification ring on single fan-out           |
| Ripcord       | 2x diametrically under corrugated copper-tape   |
| RFE           | Rosenberger Fiber Enclosure (see 98Z111-S00)    |

### Optical data

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Cable             | 2 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 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 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  |

