PRODUCT DATASHEET

# FOJBF-ON01S-020M

HYBRIFLEX® Optical Fiber Cabling Solution, 1 Pair Armored Bend-Insensitive Single-Mode Fiber with ODC to DLC/AOPC Connectors, 20 m

## PRODUCT DESCRIPTION

RFS' HYBRIFLEX Remote Radio Head (RRH) hybrid feeder cabling solution combines any combination of optical fiber and/or DC power for RRHs in a single lightweight armored or unarmored cable, making it the world's most innovative solution for RRH deployments. Hybrid, Fiber Optic and DC riser trunk and jumper cables are available in a large variety of fiber counts, DC counts and cross sections. Both pre-connectorized and on-site options are available.



## FEATURES / BENEFITS

- Armored, bend-insensitive fiber design with outstanding bending characteristics – Eases installation and provides long-term reliability
- Lightweight solution and compact design – Decreases tower loading
- Robust cabling – Eliminates need for expensive cable trays and ducts
- Indoor/Outdoor, black PVC jacket – Ensures long-lasting cable protection
- **100% Factory tested - Online test results available**

# TECHNICAL FEATURES

### STRUCTURE

| | | |
|---|---|---|
| **Cable Type** | | HYBRIFLEX® |
| **Fire Performance** | | Flame Retardant |
| **Length** | m (ft) | 20 (65.6) |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| **Outer Diameter Nominal** | mm (in) | 4.8 (0.189) |
| **Cable Weight** | kg/m (lb/ft) | 0.035 (0.023) |
| **Minimum Bending Radius, Single Bend** | mm (in) | 50 (1.97) |
| **Minimum Bending Radius, Multiple Bends** | mm (in) | 75 (2.95) |
| **Recommended / Maximum Clamp Spacing** | m (ft) | 1 / 1.2 (3.25 / 4) |

### F/O CABLE SPECIFICATIONS

| | | |
|---|---|---|
| **Number of F/O Pairs** | | 1 |
| **F/O Cable Type** | | G657-A1 Single Mode, Bend Tolerant |
| **Core/Clad** | µm | 9/125 |
| **Secondary Protection Nominal** | µm (in) | 900 (0.035) |
| **F/O Standards (Meets or Exceeds)** | | RoHS Compliant |
| **Optical Loss** | dB/Km | 0.5 @ 1310 nm<br>0.5 @ 1550 nm |
| **Fiber Termination End 1** | | ODC socket |
| **Fiber Termination End 2** | | DLC/AOPC Connector |



All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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## CABLE JACKET

| | | |
|---|---|---|
| **UV-Protection Individual and External Jacket** | | Yes |
| **Jacket Material** | | Flame Retardant, Indoor/Outdoor, Black, LSZH |
| **Armor Type** | | Metal Armored Tube |
| **Diameter Corrugated Armor** | mm (in) | 2.8 (0.11) |

## TESTING AND ENVIRONMENTAL

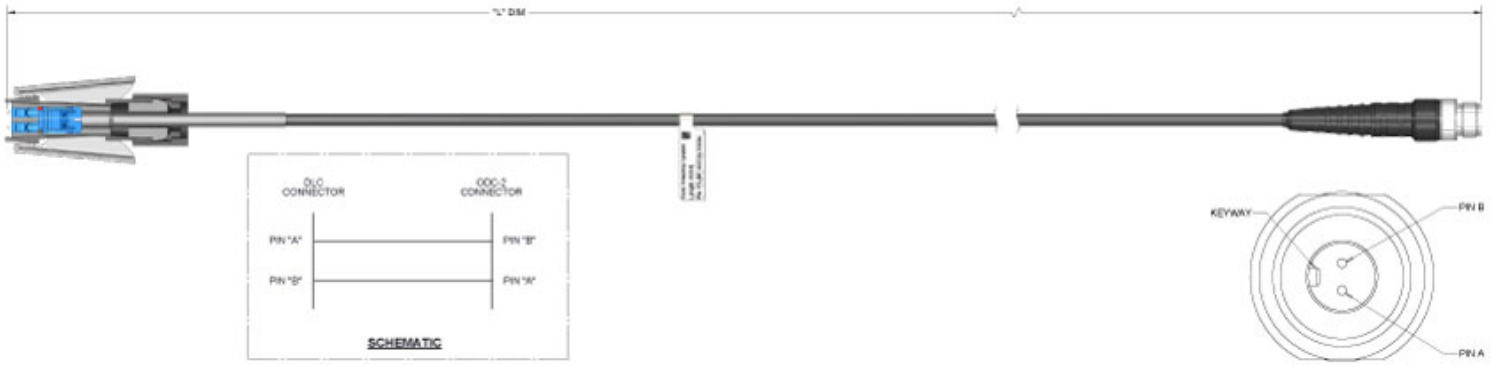
| | | |
|---|---|---|
| **Storage Temperature** | °C (°F) | -40 to 70 (-40 to 158) |
| **Operation Temperature** | °C (°F) | -40 to 65 (-40 to 149) |
| **Installation Temperature** | °C (°F) | -20 to 65 (-4 to 149) |

## EXTERNAL DOCUMENT LINKS

Installation Guidelines: Download
On-line Factory Test Results: View

## NOTES

Optimized for Nokia RRH




## ADDITIONAL ASSEMBLIES - ODC TO DLC

| Length, m | Model Number |
|---|---|
| **1** | HA-FOJBF-OL-01SM-1 |
| **3** | HA-FOJBF-OL-01SM-3 |
| **5** | HA-FOJBF-OL-01SM-5 |
| **10** | HA-FOJBF-OL-01SM-10 |
| **20** | HA-FOJBF-OL-01SM-20 |

## ADDITIONAL ASSEMBLIES - ODC TO DLC/FULLAXS

| Length, m | Model Number |
|---|---|
| **1** | HA-FOJBF-OA-01SM-1 |
| **3** | HA-FOJBF-OA-01SM-3 |
| **5** | HA-FOJBF-OA-01SM-5 |
| **10** | HA-FOJBF-OA-01SM-10 |
| **20** | HA-FOJBF-OA-01SM-20 |
| **30** | HA-FOJBF-OA-01SM-30 |

## ADDITIONAL ASSEMBLIES - ODC TO DLC/NB

| Length, m | Model Number |
|---|---|
| **3** | FOJBF-OB01S-003M |
| **5** | FOJBF-OB01S-005M |

## ADDITIONAL ASSEMBLIES - ODC TO DLC/R2CT

| Length, m | Model Number |
|---|---|
| **3** | FOJBF-OC01S-003M |
| **5** | FOJBF-OC01S-005M |
| **10** | FOJBF-OC01S-010M |
| **20** | FOJBF-OC01S-020M |




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### ADDITIONAL ASSEMBLIES - ODC TO DLC/AOPC

| Length, m | Model Number |
|---|---|
| 3 | FOJBF-ON01S-003M |
| 5 | FOJBF-ON01S-005M |
| 10 | FOJBF-ON01S-010M |
| 20 | FOJBF-ON01S-020M |

### ADDITIONAL ASSEMBLIES - ODC TO DLC/AOPA

| Length, m | Model Number |
|---|---|
| 3 | FOJBF-OPA01S-003M |
| 5 | FOJBF-OPA01S-005M |

### ADDITIONAL ASSEMBLIES - ODC TO DLC/AOPE

| Length, m | Model Number |
|---|---|
| 3 | FOJBF-OPE01S-003M |
| 5 | FOJBF-OPE01S-005M |
| 10 | FOJBF-OPE01S-010M |
| 20 | FOJBF-OPE01S-020M |

### ADDITIONAL ASSEMBLIES - ODC TO DLC/SFP

| Length, m | Model Number |
|---|---|
| 3 | FOJBF-OSFP01S-003M |
| 5 | FOJBF-OSFP01S-005M |
| 10 | FOJBF-OSFP01S-010M |
| 20 | FOJBF-OSFP01S-020M |



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