

**FOJBF-OPA01S-003M**

HYBRIFLEX® Optical Fiber Cabling Solution, 1 Pair Armored Bend-Insensitive Single-Mode Fiber with ODC to DLC/AOPA Connectors, 3 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) | 3 (9.8)         |

**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/AOPA Connector                 |

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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

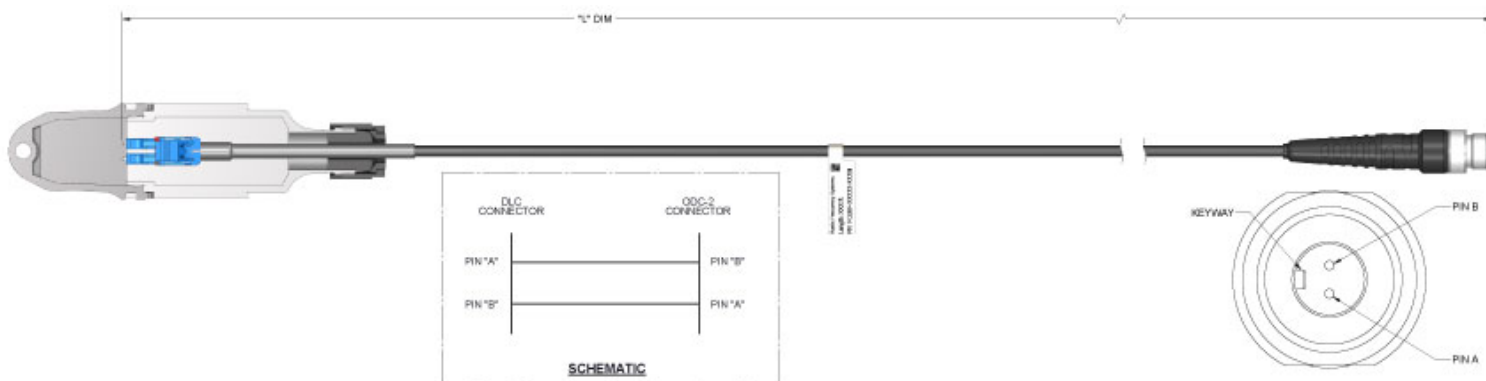
|                          |         |                        |
|--------------------------|---------|------------------------|
| Storage Temperature      | °C (°F) | -40 to 70 (-40 to 158) |
| Operation Temperature    | °C (°F) | -40 to 65 (-40 to 149) |
| Installation Temperature | °C (°F) | -20 to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

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

**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 |