



FOJBF-OC01S-xxM Series

HYBRIFLEX® Optical Fiber Cabling Solution, 1 Pair Armored Bend-Insensitive Single-Mode Fiber with ODC to DLC/R2CT Connectors

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 |

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 0.5 @ 1550 nm |
| Fiber Termination End 1 | | ODC socket |
| Fiber Termination End 2 | | DLC/R2CT 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

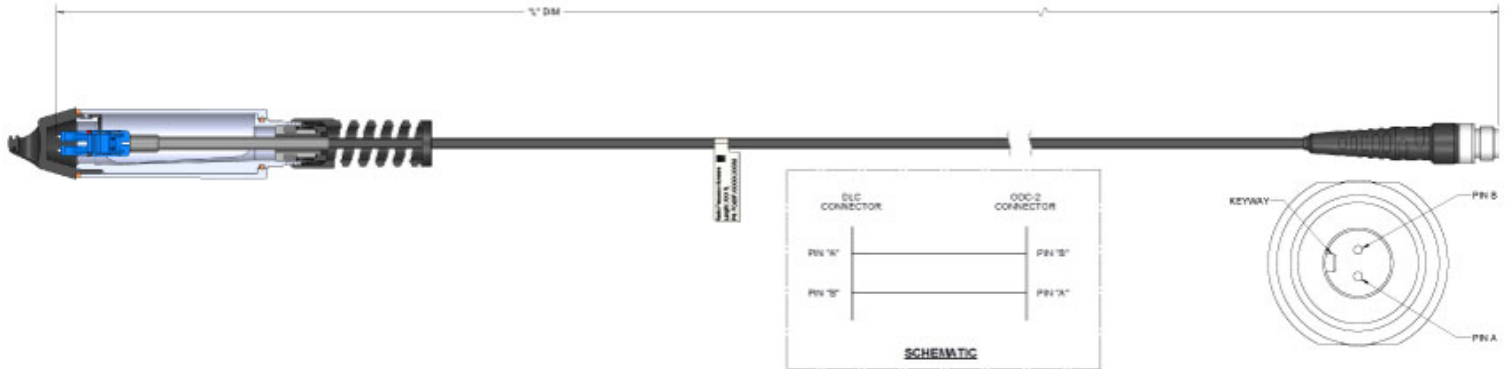
| | | |
|--------------------------|---------|------------------------|
| Storage Temperature | °C (°F) | -40 to 70 (-40 to 158) |
| Operation Temperature | °C (°F) | -40 to 65 (-40 to 149) |
| Installation Temperature | °C (°F) | -20 to 65 (-4 to 149) |

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 |