



**FOJBF-OPE01S-020M**

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

<b>Cable Type</b>		HYBRIFLEX®
<b>Fire Performance</b>		Flame Retardant
<b>Length</b>	m (ft)	20 (65.6)

**MECHANICAL SPECIFICATIONS**

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

**F/O CABLE SPECIFICATIONS**

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

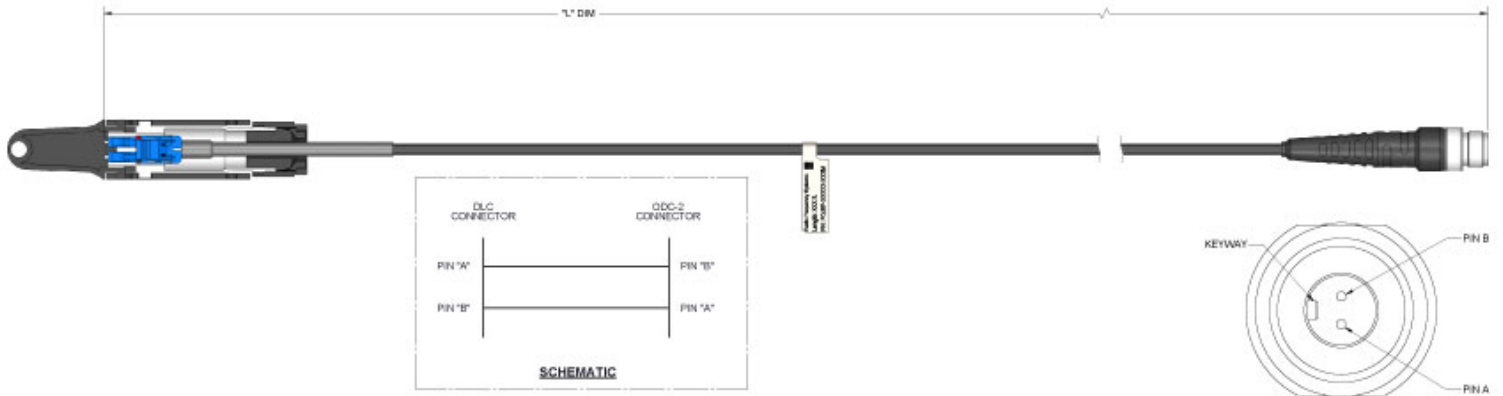
Storage Temperature	°C (°F)	-40 to 70 (-40 to 158)
Operation Temperature	°C (°F)	-40 to 65 (-40 to 149)
Installation Temperature	°C (°F)	-20 to 65 (-4 to 149)

**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