



HBT058-13U1SS4-xxF

HYBRIFLEX® RRH Hybrid Jumper, 5/8", 1 pair 6AWG, 4 Single Strand, Single-Mode Fiber with IP-25 to LC Connector with FullAXS, Various Lengths (xx ft)

PRODUCT DESCRIPTION

RFS Technologies' HYBRIFLEX Remote Radio Head (RRH) hybrid feeder cabling solution combines optical fiber and DC power for RRHs in a single lightweight cable, making it the world's most innovative solution for RRH deployments. It was developed to reduce installation complexity and costs at Cellular sites. HYBRIFLEX allows mobile operators deploying an RRH architecture to standardize the RRH installation process. HYBRIFLEX combines optical fiber (multi-mode or single-mode) and power in a single cable. It may eliminate the need for junction boxes and can connect multiple RRHs with a single feeder. Standard CELLFLEX® accessories can be used with HYBRIFLEX cable.

Product picture is coming soon



FEATURES / BENEFITS

- TC type cable with outstanding bending characteristics - Minimizes installation time and enables mechanical protection and shielding
- Lightweight solution and compact design - Decreases tower loading
- Robust cabling - Eliminates need for expensive cable trays and ducts
- Installation of tight bundled fiber optic cable pairs directly to the RRH - Reduces CAPEX and wind load by eliminating need for interconnection
- Optical fiber and power cables housed in single cable - Saves CAPEX by standardizing RRH cable installation and reducing installation requirements
- UL-Listed, flame-retardant jacket, UV protected assemblies - Allows both indoor and outdoor applications
- **100% Factory tested - Online test results available**

TECHNICAL FEATURES

STRUCTURE

Cable Type		HYBRIFLEX®, Type TC
Fire Performance		Flame Retardant
Size		5/8

Length		10 to 100ft, 10ft increments (3.05 to 30.5m, 3m increments)
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MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	mm (in)	17 (0.669)
Cable Weight	kg/m (lb/ft)	0.469 (0.316)
Minimum Bending Radius, Single Bend	mm (in)	102 (4)
Minimum Bending Radius, Multiple Bends	mm (in)	254 (10)
Recommended / Maximum Clamp Spacing	m (ft)	1 / 1.2 (3.25 / 4)

CABLE JACKET

UV-Protection Individual and External Jacket		Yes
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DC POWER CABLE SPECIFICATIONS

Number of DC Pairs		1
Maximum DC-Resistance Power Cable	Ω/km (Ω/kft)	1.4 (0.42)
Cross Section of Power Cable	mm ² (AWG)	13.3 (6)
DC Wire Jacket Material		PVC/Nylon
DC Cable Single Bending Radius	mm (in)	83 (3.3)
DC Cable Diameter	mm (in)	6.45 (0.25)
DC Standards (Meets or Exceeds)		For use in Type TC per UL 1277, PVC Nylon, RoHS/REACH Compliant
DC cable sealing method		Semi-rigid, flame-retardant polyolefin, with hot melt adhesive

Break-out Length (Top)	mm (in)	558 (22)
Break-out Length (Bottom)	mm (in)	N/A (Terminated to Senko IP25)

F/O CABLE SPECIFICATIONS

Number of Fiber Strands		4
F/O Cable Type		G657-A2 Single Mode, Bend Tolerant
Core/Clad	μm	9/125
Single Bending Radius	mm (in)	55 (2.2)
F/O Standards (Meets or Exceeds)		UL Listed Type OFNR (UL1666), RoHS Compliant
Optical Loss	dB/Km	0.5 @ 1310 nm 0.5 @ 1550 nm
Cable Sealing Method		Semi-rigid flame-retardant polyolefin, with hot melt adhesive

FO Break-out Length (Top)	mm (in)	584 (23)
FO Break-out Length (Bottom)	mm (in)	N/A
Fiber Termination End 1		Senko IP25
Fiber Termination End 2		Simplex LC Connector with Full AXS

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)
Jacket Specifications		UL1277 Type TC, UL Listed



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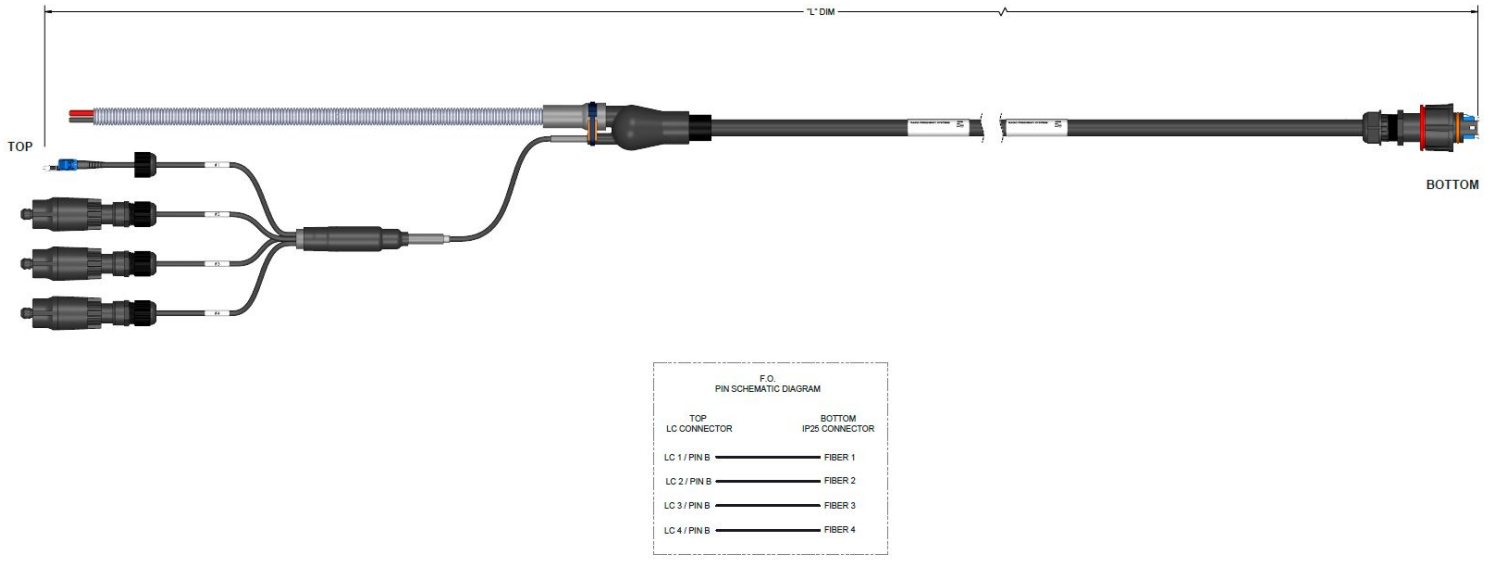
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EXTERNAL DOCUMENT LINKS

QuickShip 3.0 Program Information: [Download](#)
On-line Factory Test Results: [View](#)

NOTES

PRODUCT DRAWING



Product Drawing

Standard lengths: 10 to 100ft, 10ft increments. Customer lengths available upon request.