

HYBRIFLEX® Hybrid Cable, 1/2", 1 pair 10AWG, 2 pair Single-Mode Fiber

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 aluminum corrugated 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 (multimode or single-mode) and power in a single corrugated cable. It may eliminate the need for junction boxes and can connect multiple RRHs with a single feeder. Standard RFS Technologies CELLFLEX® accessories can be used with HYBRIFLEX cable.

FEATURES / BENEFITS

- Aluminum corrugated armor with outstanding bending characteristics Minimizes installation time and enables mechanical protection and shielding
- Outer conductor grounding Saves on installation costs
- 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 corrugated cable Saves CAPEX by standardizing RRH cable installation and reducing installation requirements
- UL-Listed, flame-retardant jacket, UV protected Allows both indoor and outdoor applications



HYBRIFLEX Representative Image Specific Cables May Vary

Technical features

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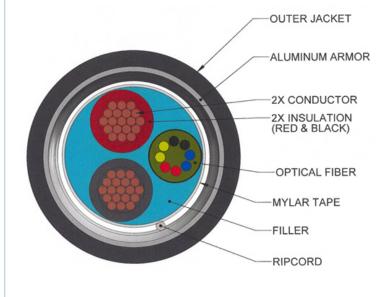
STRUCTURE				
Cable Type				HYBRIFLEX®
Size				1/2
Fire Performance				Flame Retardant
DC POWER CAL	BLE SPEC	IFICATIONS		
Number of DC Pairs		1		
Maximum DC- Resistance Power Cable	Ω/km (Ω/kft)	3.41 (1.04)		
Cross Section of Power Cable	mm² (AWG)	5.3 (10)		
DC Wire Jacket Material		PVC/Nylor	1	
DC Cable Single Bending Radius	mm (in)	83 (3.3)		
DC Standards (Meets or Exceeds)		For use in Type MC pe UL 1569, PVC Nylon RoHS/REAC Complian	er I, IH	
MECHANICAL S	PECIFIC <i>A</i>	ATIONS		
Outer Diameter Nominal			mm (in)	15.8 (0.62)
Cable Weight			kg/m (lb/ft)	0.36 (0.24)
Minimum Bending Radius, Single Bend			mm (in)	76.2 (3)
Minimum Bending Radius, Multi Bends			mm (in)	127 (5)
Recommended / Maximum Clamp Spacing			m (ft)	1 / 1.2 (3.25 / 4)
ARMOR SPECIFI	CATION	S		
Armor Type				Corrugated Aluminum
Maximum DC-Resistance of Armor			Ω/km (Ω/kft)	2.4 (0.73)
Diameter Corrugated Armor			mm (in)	13.8 (0.55)

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JV-Protection Individual and External Jacket		Yes
Jacket Material		Flame Retardant, indoor/outdoor, PVC, Black
Jacket Specifications		UL1569 Type MC, UL Listed
F/O CABLE SPECIFICATIONS		
F/O Cable Type		G657-A2 Single Mode, Bend Tolerant
Number of F/O Pairs		2
Core/Clad	μm	9 /125
Secondary Protection Nominal	μm (in)	900 (0.035)
F/O Standards (Meets or Exceeds)		UL Listed Type OFNR (UL1666), RoHS Compliant
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)



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