



RFS' HYBRIFLEX™ cabling solution for Remote Radio Head (RRH) 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 cost at Cellular sites.



The HYBRIFLEX™ hybrid cable family is now supplemented by two new members: The Fiber Optic trunk cable and the DC trunk cable available in a large variety of fiber counts, DC counts and DC cross sections.

The armored F/O trunk cable is part of the cabling solution for RRH's meant to build the F/O connection from the bottom patch panel to the Distribution Box near the RRH. It consists of a jacketed part of length XXX, a breakout part to the Distribution Box and a breakout part to the BBU side. The trunk cables can be ordered in a various lengths.

**FEATURES / BENEFITS**

- **Outdoor polyethylene jacket** δ Ensure long-lasting cable protection
- **High class F/O performance**

**Technical features**

**STRUCTURE**

Cable Type		Fiber trunk
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**MECHANICAL SPECIFICATIONS**

Outer Diameter Nominal	mm (in)	10.3 (0.406)
Cable Weight	kg/m (lb/ft)	0.083 (0.056)
Minimum Bending Radius, (Operating)	mm (in)	103 (4.055)
Minimum Bending Radius, (Installation)	mm (in)	206 (8.11)
Tensile Strength (Operating)		300 N
Tensile Strength (Installation)		1000 N
Crush Resistance (Operating)		500 N / 100 mm
Crush Resistance (Installation)		1500 N / 100 mm

**CABLE JACKET**

UV-Protection Individual and External Jacket		External Jacket: to IEC 60754-1/-2, Inner Jacket, DC conductors + Fibre cables EN 50289-4-17:2015
Jacket Material		CPR Class F

**F/O CABLE SPECIFICATIONS**

F/O Cable Type		Tight Buffer, Single Mode G657 A2
Number of F/O Pairs		8
Core/Clad	µm	9 /125
Optical Loss	dB/Km	0.4 @ 1310 nm 0.3 @ 1550 nm
Fiber Termination End 1		8 x LC Uniboot connectors
Fiber Termination End 2		8 x LC Uniboot connectors
Connector Insertion Loss		0,2 dB



**TESTING AND ENVIRONMENTAL**

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

**ADDITIONAL ASSEMBLIES**

Length	Model name
20 m	HA-FOTF-LL-08SM-020-04
25 m	HA-FOTF-LL-08SM-025-04
30 m	HA-FOTF-LL-08SM-030-04
35 m	HA-FOTF-LL-08SM-035-04
40 m	HA-FOTF-LL-08SM-040-04
45 m	HA-FOTF-LL-08SM-045-04
50 m	HA-FOTF-LL-08SM-050-04
55 m	HA-FOTF-LL-08SM-055-04
60 m	HA-FOTF-LL-08SM-060-04
Other length are available on request	

**RECOMMENDED TOOLS**

	Clamps: 2P-DW0-11mm
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External Document Links

Notes