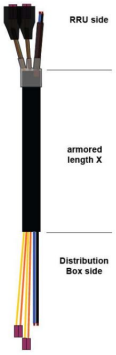
PRODUCT DATASHEET

HA-FODC-ALBB-04-XX

HYBRIFLEX® Hybrid Trunk Cable, Single-Mode Fiber, 4 mm² Power Cable



RFS' HYBRIFLEX™ cabling solution for Remote Radio Head (RRU) combines optical fiber and DC power for RRUs 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.

HYBRIFLEX™ cabling solutions allows mobile operators deploying RRH architecture to standardize RRH installation process and eliminates the need for and the cost of cable grounding.

The **HYBRIFLEX™** Jumper is part of the cabling solution for RRU's. It consists of an armored part of length XX, a breakout part to the RRU and a breakout part to the Distribution Box. The breakout part to the RRU is outdoor ready and sealed according to IP68. The breakout part to the Distribution Box is suitable to be installed to the RFS Distribution Box DB-T1-4Z-8B-0Z.

This Jumper cable is suitable for Ericsson RRUs. The Jumper cables can be ordered in 1m, 2m, 3m, 4m and 5m armored length.

Feature / Benefits

- **Aluminum corrugated armor with outstanding bending characteristics**

Minimizes installation time and enables mechanical protection and shielding

- **Build in Animal Protection**

Improves the reliability of the installation

- **Outer conductor grounding**

Eliminates typical grounding requirement and saves on installation costs

- **Lightweight solution and compact design**

Decreases tower loads

- **Optical Fiber and power cables housed in single corrugated cable**

Saves CAPEX by standardizing RRH cable installation and reducing installation equipments

- **Outdoor polyethylene jacket**

Ensure long-lasting cable protection

Technical features

STRUCTURE

Cable Type	Hybrid Jumper

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	15.8mm (0.62in)
Minimum Bending Radius	70mm (3in)
Minimum Bending Radius	125mm (5in)
Tensile Strength	150N (33.7lb)

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DC POWER CABLE SPECIFICATIONS

Number of DC Pairs	1
Maximum DC-Resistance Power Cable	4.95ohm/1000 m (1.51ohm/1000 ft)
Cross Section of Power Cable	4 (12)
Shielding	provided by Al armor
DC Wire Jacket Material	Polyethylene Black/ Blue
DC Wire Jacket Thickness	0.5mm (0.02in)
DC Cable Jacket	UV stable black PE
DC Standards (Meets or Exceeds)	IEC 60228

CABLE JACKET

UV-Protection Individual and External Jacket	Yes
Jacket Material	UV stable black PE

ARMOR SPECIFICATIONS

Armor Type	Corrugated Aluminum
Maximum DC-Resistance of Armor	2.78ohm/1000 m (0ohm/1000 ft)
Copper Equivalent Cross Section of Armor	8.4 (8)
Diameter Corrugated Armor	13.8mm (0.54in)

F/O CABLE SPECIFICATIONS

F/O Cable Type	Tight Buffer, Single Mode
Number of F/O Pairs	2
Core/Clad	9 /125
Secondary Protection Nominal	900µm (0.036in)
F/O Standards (Meets or Exceeds)	ITU-T G.657.A
Loss (db)	Wavelength (nm)
1	1310
1	1550
Fiber Termination End 1	FULLAXS for Ericsson RRUs
Fiber Termination End 2	LC Connector

TESTING AND ENVIRONMENTAL

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

ADDITIONAL ASSEMBLIES

Length	Model Name
Length	Model Name
1 m	HA-FODC-ALBB-04-01
2 m	HA-FODC-ALBB-04-02
3 m	HA-FODC-ALBB-04-03
4 m	HA-FODC-ALBB-04-04
5 m	HA-FODC-ALBB-04-05