



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.



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 FTTA Jumper is part of the cabling solution for RRH's meant to build the F/O connection from the Adapter to the RRU. The jumper 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 Jumper |
|------------|--|--------------|

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

| | | |
|-----------------|--|------------------|
| Jacket Material | | LSZH CPR Class F |
|-----------------|--|------------------|

F/O CABLE SPECIFICATIONS

| | | |
|--------------------------|-------|-------------------------------|
| F/O Cable Type | | Tight Buffer, Multi Mode OM4 |
| Number of F/O Pairs | | 8 |
| Core/Clad | µm | 50 /125 |
| Optical Loss | dB/Km | 3.5 @ 850 nm 1.5 @ 1300 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 |
|---------------------------------------|----------------------|
| 3 m | HA-FOJMF-LL-1M-03-04 |
| 5 m | HA-FOJMF-LL-1M-05-04 |
| 7 m | HA-FOJMF-LL-1M-07-04 |
| 10 m | HA-FOJMF-LL-1M-10-04 |
| 15 m | HA-FOJMF-LL-1M-15-04 |
| Other length are available on request | |

RECOMMENDED TOOLS

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

Notes