



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.

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 RRU's meant to build the F/O connection from the bottom patch panel to the Distribution Box near the RRU. It consists of a jacketed part of length XX, a breakout part to the Distribution Box and a breakout part to the BBU side. The F/O trunk cables can be ordered from 5m up to 150m in increments of 5 m jacketed length.



FEATURES / BENEFITS

- **Outdoor polyethylene jacket** ð Ensure long-lasting cable protection
- **High class F/O performance**
- **IP 67 connector sealing**

Technical features

STRUCTURE

| | | |
|------------|--|--------------|
| Cable Type | | Fiber Jumper |
|------------|--|--------------|

MECHANICAL SPECIFICATIONS

| | | |
|--|---------|----------------------|
| Minimum Bending Radius, (Operating) | mm (in) | 70 (3) |
| Minimum Bending Radius, (Installation) | mm (in) | 125 (5) |
| Recommended / Maximum Clamp Spacing | m (ft) | 0.3 / 0.5 (1 / 1.64) |

CABLE JACKET

| | | |
|--|---------|----------|
| UV-Protection Individual and External Jacket | | Yes |
| Outer Diameter Nominal | mm (in) | 7 (0.29) |

ARMOR SPECIFICATIONS

| | | |
|------------|--|----------------------|
| Armor Type | | stainless steel tube |
|------------|--|----------------------|

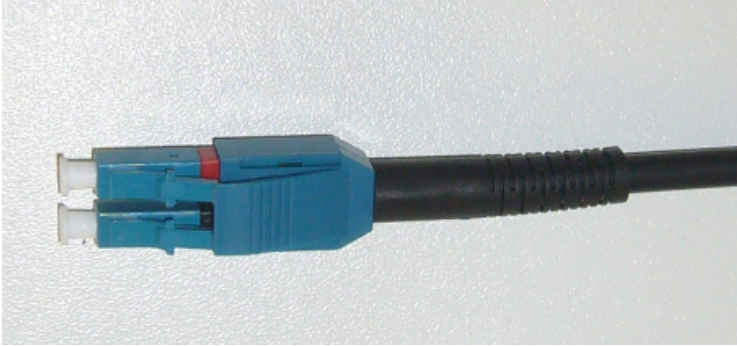
F/O CABLE SPECIFICATIONS

| | | |
|-------------------------|----|---------------------------|
| F/O Cable Type | | Tight Buffer, Single Mode |
| Number of F/O Pairs | | 2 |
| Core/Clad | µm | 9 /250 |
| Fiber Termination End 1 | | LC Connector |
| Fiber Termination End 2 | | LC Connector |



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) |



**HA-FOTA-LL-02SM-XXX**

HYBRIFLEX® Fiber Trunk Cable, Single-Mode Fiber Jumper

| Length | Model Name |
|---------------|---------------------|
| 5 m | HA-FOTA-LL-02SM-005 |
| 10 m | HA-FOTA-LL-02SM-010 |
| 15 m | HA-FOTA-LL-02SM-015 |
| 20 m | HA-FOTA-LL-02SM-020 |
| 25 m | HA-FOTA-LL-02SM-025 |
| 30 m | HA-FOTA-LL-02SM-030 |
| 35 m | HA-FOTA-LL-02SM-035 |
| 40 m | HA-FOTA-LL-02SM-040 |
| 45 m | HA-FOTA-LL-02SM-045 |
| 50 m | HA-FOTA-LL-02SM-050 |
| 55 m | HA-FOTA-LL-02SM-055 |
| 60 m | HA-FOTA-LL-02SM-060 |
| 65 m | HA-FOTA-LL-02SM-065 |
| 70 m | HA-FOTA-LL-02SM-070 |
| 75 m | HA-FOTA-LL-02SM-075 |
| 80 m | HA-FOTA-LL-02SM-080 |
| 85 m | HA-FOTA-LL-02SM-085 |
| 90 m | HA-FOTA-LL-02SM-090 |
| 95 m | HA-FOTA-LL-02SM-095 |
| 100 m | HA-FOTA-LL-02SM-100 |
| 105 m | HA-FOTA-LL-02SM-105 |
| 110 m | HA-FOTA-LL-02SM-110 |
| 115 m | HA-FOTA-LL-02SM-115 |
| 120 m | HA-FOTA-LL-02SM-120 |
| 125 m | HA-FOTA-LL-02SM-125 |
| 130 m | HA-FOTA-LL-02SM-130 |
| 135 m | HA-FOTA-LL-02SM-135 |
| 140 m | HA-FOTA-LL-02SM-140 |
| 145 m | HA-FOTA-LL-02SM-145 |
| 150 m | HA-FOTA-LL-02SM-150 |

[External Document Links](#)[Notes](#)