

HYBRIFLEX® RRH Hybrid Jumper, 5/8", 1 pair 8AWG, 1 pair Single-Mode Fiber with DLC to Elongated DLC Clip, 30 ft

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 (multi-mode 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 assembles Allows both indoor and outdoor applications
- 100% Factory tested Online test results available

TECHNICAL FEATURES

STRUCTURE

| Cable Type | | HYBRIFLEX® | |
|---|--------------|--------------------|--|
| Fire Performance | | Flame Retardant | |
| Size | | 5/8 | |
| Length | m (ft) | 9 (30) | |
| MECHANICAL SPECIFICATIONS | | | |
| Outer Diameter Nominal | mm (in) | 21.4 (0.84) | |
| Cable Weight | kg/m (lb/ft) | 0.6 (0.4) | |
| Minimum Bending Radius, Single Bend | mm (in) | 102 (4) | |
| Minimum Bending Radius, Multiple Bends | mm (in) | 254 (10) | |
| Recommended / Maximum Clamp Spacing | m (ft) | 1 / 1.2 (3.25 / 4) | |
| CABLE JACKET | | | |
| UV-Protection Individual and External Jacket | | Yes | |

HBF058-08U1S1-30FS

REV : A

REV DATE : 15 Mar 2021

www.rfstechnologies.com



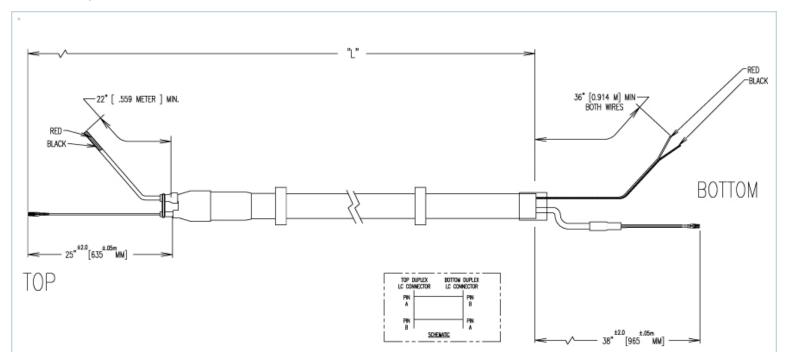


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| | Corrugated Aluminum |
|--------------|--|
| | 1.97 (0.6) |
| | 18.5 (0.73) |
| | |
| | 1 |
| Ω/km (Ω/kft) | 2.2 (0.66) |
| mm² (AWG) | 8.4 (8) |
| | PVC/Nylon |
| mm (in) | 83 (3.3) |
| mm (in) | 5.5 (0.21) |
| | For use in Type MC per UL 1569, PVC Nylon, RoHS/REACH Compliant |
| mm (in) | 650 (25) |
| mm (in) | 914 (36) |
| | Semi-rigid, flame-retardant polyolefin, with hot melt adhesive |
| | |
| | 1 |
| | G657-A2 Single Mode, Bend Tolerant |
| μm | 9/125 |
| mm (in) | 83 (3.3) |
| | UL Listed Type OFNR (UL1666), RoHS Compliant |
| dB/Km | 0.5 @ 1310 nm 0.5 @ 1550 nm |
| mm (in) | 850 (33) |
| mm (in) | 965 (38) |
| | Semi-rigid flame-retardant polyolefin, with hot melt adhesive |
| | DLC Connector |
| | DLC Connector with Elongated Clip |
| | |
| °C (°F) | -40 to 70 (-40 to 158) |
| °C (°F) | -40 to 65 (-40 to 149) |
| °C (°F) | -20 to 65 (-4 to 149) |
| | UL1569 Type MC, UL Listed |
| ownload | NOTES Specifically designed for Samsung RRH. |
| | mm² (AWG) ا mm (in) µm dB/Km mm (in) mm (in) mm (in) mm (in) mm (in) of C (°F) °C (°F) °C (°F) °C (°F) |



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ADDITIONAL ASSEMBLIES - 1 PAIR SM FIBER

| Length, ft | Model Number |
|------------|---------------------|
| 10 | HBF058-08U1S1-10FS |
| 20 | HBF058-08U1S1-20FS |
| 30 | HBF058-08U1S1-30FS |
| 40 | HBF058-08U1S1-40FS |
| 50 | HBF058-08U1S1-50FS |
| 60 | HBF058-08U1S1-60FS |
| 79 | HBF058-08U1S1-70FS |
| 80 | HBF058-08U1S1-80FS |
| 90 | HBF058-08U1S1-90FS |
| 100 | HBF058-08U1S1-100FS |

ADDITIONAL ASSEMBLIES - 2 PAIR SM FIBER

| Length, ft | Model Number |
|------------|---------------------|
| 10 | HBF058-08U1S2-10FS |
| 20 | HBF058-08U1S2-20FS |
| 30 | HBF058-08U1S2-30FS |
| 40 | HBF058-08U1S2-40FS |
| 50 | HBF058-08U1S2-50FS |
| 60 | HBF058-08U1S2-60FS |
| 70 | HBF058-08U1S2-70FS |
| 80 | HBF058-08U1S2-80FS |
| 90 | HBF058-08U1S2-90FS |
| 100 | HBF058-08U1S2-100FS |

HBF058-08U1S1-30FS



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| ADDITIONAL | ASSEMBLIES - | 1 STRAND | SM FIBER |
|------------|--------------|----------|----------|
| ADDITIONAL | ASSENIDELES | | SINTIPER |

| Length, ft | Model Number |
|------------|---------------------|
| 10 | HBF058-08U1SS-10FS |
| 15 | HBF058-08U1SS-15FS |
| 20 | HBF058-08U1SS-20FS |
| 30 | HBF058-08U1SS-30FS |
| 40 | HBF058-08U1SS-40FS |
| 50 | HBF058-08U1SS-50FS |
| 60 | HBF058-08U1SS-60FS |
| 70 | HBF058-08U1SS-70FS |
| 80 | HBF058-08U1SS-80FS |
| 90 | HBF058-08U1SS-90FS |
| 100 | HBF058-08U1SS-100FS |

ADDITIONAL ASSEMBLIES - 2 STRAND SM FIBER

| Length, ft | Model Number |
|------------|----------------------|
| 10 | HBF058-08U1SS2-10FS |
| 15 | HBF058-08U1SS2-15FS |
| 20 | HBF058-08U1SS2-20FS |
| 30 | HBF058-08U1SS2-30FS |
| 40 | HBF058-08U1SS2-40FS |
| 50 | HBF058-08U1SS2-50FS |
| 60 | HBF058-08U1SS2-60FS |
| 70 | HBF058-08U1SS2-70FS |
| 80 | HBF058-08U1SS2-80FS |
| 90 | HBF058-08U1SS2-90FS |
| 100 | HBF058-08U1SS2-100FS |



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PRE-PACKED HYBRIFLEX KITS FOR EASY INTEGRATION INTO RAYCAP JUNCTION BOXES

RFS Technologies now offers Kitting options for most hybrid risers and jumpers that include both the cable assembly and the Raycap inserts. For reference, kits have a "K" as the third digit in the model number. HB158 does not require an additional gland/insert for proper installation and sealing into the Distribution Boxes.

| Kit Model Prefix | Assembly Prefix | Assembly Qty | Raycap Insert Kit | Insert Kit Contents | Raycap Insert Kit Qty |
|---------------------|--------------------|-----------------|---------------------------------|--|-----------------------------|
| HBK114 | HB114 | 1 | RFS Technologies- TRUNK-KIT | (2) 190 0620, Insert, M75, 1H, 40mm | |
| HBK058 | HBF058 | | RFS Technologies- JUMP-KIT | (1) 190 0621, Insert, M75, 3H, 22mm, Split w/ plugs | 1 |
| HBK012 | HBF012 | | RFS Technologies- JUMP-KIT-2 | (1) 190 0903, Insert, M75, 2H, 15mm, Split w/ plugs | 1 |
| FRK-N | FR-N | | RFS Technologies- FIBER-KIT | (1) 190 0657, Insert, M75, 6H, 6.1mm, Split w/ plugs | |