# PW-S-05S2-J

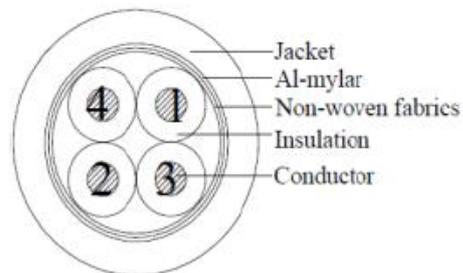## Power Connect cable 5,3 mm² for connection of one RRU

**RFS' HYBRIFLEX** ™ cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

**HYBRIFLEX**™ cabling solutions allows mobile operators deploying RRU architecture to standardized installation process and eliminates the need for and the cost of cable grounding.
The **HYBRIFLEX**™ Power Connect cable **PW-S-05S2-J** consists of two unshielded pair DC wires protected by a corrugated Aluminum armor.

FEATURES / BENEFITS

 • UV resistant jacket

 • Comply with IEC 60228

 • Flexible



## Technical features

### STRUCTURE

| Cable Type | | HYBRIFLEX™ Power Cable |
|---|---|---|
| Size | | 1/2 |
| Fire Performance | | PE |

### MECHANICAL SPECIFICATIONS

| | | |
|---|---|---|
| Outer Diameter Nominal | mm (in) | 15.8 (0.62) |
| Cable Weight | kg/m (lb/ft) | 0.3 (0.2) |
| Minimum Bending Radius, (Operating) | mm (in) | 160 (6.3) |
| Minimum Bending Radius, (Installation) | mm (in) | 220 (8.66) |
| Recommended / Maximum Clamp Spacing | m (ft) | 0.8 / 1 (2 / 3.25) |

### DC POWER CABLE SPECIFICATIONS

| | | |
|---|---|---|
| Number of DC Pairs | | 2 |
| Maximum DC-Resistance Power Cable | Ω/km (Ω/kft) | 3.48 (1.06) |
| Cross Section of Power Cable | mm² (AWG) | 5.3 (10) |
| Shielding | | Corrugated Aluminium Armor |
| DC Wire Jacket Material | | UV stable black PE |
| DC Wire Jacket Thickness | mm (in) | 0.65 (0.025) |
| DC Cable Single Bending Radius | mm (in) | 53 (2.1) |
| DC Cable Diameter | mm (in) | 4.4 (0.17) |
| DC Cable Jacket | | UV stable black MDPE |
| 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 aluminium armor |

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## F/O CABLE SPECIFICATIONS

| F/O Cable Type | | HYBRIFLEX™ Power Cable |
|---|---|---|
| Cable Diameter mm (in) | | 4.4 (0.17) |

### TESTING AND ENVIRONMENTAL

| Storage Temperature | °C (°F) | -40 to 85 (-40 to 185 ) |
|---|---|---|
| Operation Temperature | °C (°F) | -40 to 85 (-40 to 185 ) |
| Installation Temperature | °C (°F) | -20 to 50 (-4 to 122 ) |

External Document Links                                   Notes