

**PW-S-05S1-J**Power Connect cable 5,3 mm<sup>2</sup> for connection of one RRU

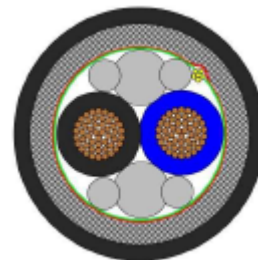
**RFS' HYBRIFLEX™** cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

**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-05S1-J** consists of one 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                     |

**DC POWER CABLE SPECIFICATIONS**

|                                   |                       |                            |
|-----------------------------------|-----------------------|----------------------------|
| Number of DC Pairs                |                       | 1                          |
| Maximum DC-Resistance Power Cable | Ω/km (Ω/kft)          | 3.48 (1.06)                |
| Cross Section of Power Cable      | mm <sup>2</sup> (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                  |

**MECHANICAL SPECIFICATIONS**

|                                        |              |                    |
|----------------------------------------|--------------|--------------------|
| 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) |

**CABLE JACKET**

|                                              |         |                    |
|----------------------------------------------|---------|--------------------|
| UV-Protection Individual and External Jacket |         | Yes                |
| Jacket Material                              |         | UV stable black PE |
| Outer Diameter Nominal                       | mm (in) | 15.8 (0.62)        |

**ARMOR SPECIFICATIONS**

|            |  |                            |
|------------|--|----------------------------|
| Armor Type |  | Corrugated aluminium armor |
|------------|--|----------------------------|

**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 )  |

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