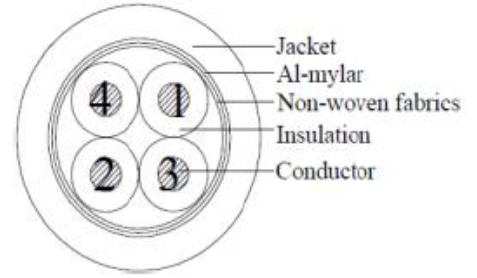




**RFS' HYBRIFLEX™** cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

**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-03S2-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**

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

**DC POWER CABLE SPECIFICATIONS**

|  |                       |                            |
|--|-----------------------|----------------------------|
| <b>Number of DC Pairs</b>                |                       | 2                          |
| <b>Maximum DC-Resistance Power Cable</b> | Ω/km (Ω/kft)          | 5.68 (1.73)                |
| <b>Cross Section of Power Cable</b>      | mm <sup>2</sup> (AWG) | 3.3 (12)                   |
| <b>Shielding</b>                         |                       | Corrugated Aluminium Armor |
| <b>DC Wire Jacket Material</b>           |                       | UV stable black PE         |
| <b>DC Wire Jacket Thickness</b>          | mm (in)               | 0.7 (0.028)                |
| <b>DC Cable Single Bending Radius</b>    | mm (in)               | 53 (2.1)                   |
| <b>DC Cable Diameter</b>                 | mm (in)               | 4 (0.16)                   |
| <b>DC Cable Jacket</b>                   |                       | UV stable black MDPE       |
| <b>DC Standards (Meets or Exceeds)</b>   |                       | IEC 60228                  |

**MECHANICAL SPECIFICATIONS**

|   |              |                    |
|---|--------------|--------------------|
| <b>Cable Weight</b>                           | kg/m (lb/ft) | 0.24 (0.013)       |
| <b>Minimum Bending Radius, (Operating)</b>    | mm (in)      | 160 (6.3)          |
| <b>Minimum Bending Radius, (Installation)</b> | mm (in)      | 220 (8.66)         |
| <b>Recommended / Maximum Clamp Spacing</b>    | m (ft)       | 0.8 / 1 (2 / 3.25) |

**CABLE JACKET**

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

**ARMOR SPECIFICATIONS**

|                   |  |                            |
|-------------------|--|----------------------------|
| <b>Armor Type</b> |  | Corrugated aluminium armor |
|-------------------|--|----------------------------|

**F/O CABLE SPECIFICATIONS**

|                       |  |                        |
|-----------------------|--|------------------------|
| <b>F/O Cable Type</b> |  | HYBRIFLEX™ Power Cable |
|-----------------------|--|------------------------|

|                               |  |          |
|-------------------------------|--|----------|
| <b>Cable Diameter mm (in)</b> |  | 4 (0.16) |
|-------------------------------|--|----------|

**TESTING AND ENVIRONMENTAL**

|                            |         |                         |
|----------------------------|---------|-------------------------|
| <b>Storage Temperature</b> | °C (°F) | -40 to 85 (-40 to 185 ) |
|----------------------------|---------|-------------------------|

|                              |         |                         |
|------------------------------|---------|-------------------------|
| <b>Operation Temperature</b> | °C (°F) | -40 to 85 (-40 to 185 ) |
|------------------------------|---------|-------------------------|

|                                 |         |                        |
|---------------------------------|---------|------------------------|
| <b>Installation Temperature</b> | °C (°F) | -20 to 50 (-4 to 122 ) |
|---------------------------------|---------|------------------------|

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