

**PW-S-16U3-C**Power Connect cable 16mm<sup>2</sup> for connection of three 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-16U3-C** is part of a site installation kit. It consists of three unshielded pairs and a CPR class.

**Features / Benefits**

- UV resistant jacket
- Comply with IEC 60228
- Flexible

**Technical Features****STRUCTURE**

|                             |                        |
|-----------------------------|------------------------|
| Cable Type                  | HYBRIFLEX™ Power Cable |
| Number of Copper Wire Pairs | 3                      |

**MECHANICAL SPECIFICATIONS**

|                                     |                    |
|-------------------------------------|--------------------|
| Outer Diameter Nominal              | 21.25mm (0.837in)  |
| Minimum Single Bending Radius       | 120mm (4.724in)    |
| Minimum Multi Bending Radius        | 254mm (10in)       |
| Recommended / Maximum Clamp Spacing | 0.6 / 1 (2 / 3.25) |

**DC POWER CABLE SPECIFICATIONS**

|                                              |                                    |
|----------------------------------------------|------------------------------------|
| Maximum DC-Resistance Power Cable            | 1.21Ω/km (0.37Ω/kft)               |
| Cross Section of Copper Wire Nicolas         | 16mm <sup>2</sup> (6AWG)           |
| Individual Copper Wire Jacket Material       | UV stable black JFN Blue and Black |
| Individual Copper Wire Single Bending Radius | 53mm (2.1in)                       |
| Individual Copper Wire Diameter              | 7mm (0.276in)                      |

**ENVIRONMENTAL**

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



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TESTING

|                  |                         |
|------------------|-------------------------|
| Fire Performance | CPR B2ca s1 d0 a1, LSZH |
|------------------|-------------------------|