

**PW-S-16S1-J**Power Connect cable 16mm² for connection of one RRU

RFS 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.

RFS cabling solutions allows mobile operators deploying RRU architecture to standardized installation process and eliminates the need for and the cost of cable grounding.

The **RFS** Power Connect cable **PW-S-16S1-J** is part of a site installation kit. It consists of one shielded pair DC wires protected by a corrugated Aluminum armor.

Features / Benefits

- UV resistant jacket
- Comply with IEC 60228
- Flexible

Technical Features**STRUCTURE**

Cable Type	Power Cable
Number of Copper Wire Pairs	1
Jacket Material	UV stable black PE

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	21.4mm (0.84in)
Cable Weight	0.49kg/m (0.33lb/ft)
Minimum Single Bending Radius	90mm (4in)
Minimum Multi Bending Radius	125mm (5in)
Recommended / Maximum Clamp Spacing	0.6 / 1 (2 / 3.25)

DC POWER CABLE SPECIFICATIONS

Maximum DC-Resistance Power Cable	1.21Ω/km (0.42Ω/kft)
Jacket Material	UV stable black PE
Cross Section of Copper Wire Nicolas	16mm ² (5AWG)
Individual Copper Wire Jacket Material	UV stable black PE
Individual Copper Wire Jacket Thickness	0.5mm (0.02in)
Individual Copper Wire Single Bending Radius	53mm (2.1in)
Individual Copper Wire Diameter	7mm (0.22in)
DC Cable Jacket	UV stable black PE



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ARMOR SPECIFICATIONS

Armor Type	Corrugated aluminium armor
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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)

TESTING

Standards (Meets or Exceeds)	IEC 60228
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