

**PW-S-25S1-J**Power Connect cable 25 mm² 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-25S1-J** consists of one shielded pair

DC wires protected by a corrugated Aluminum armor.

Features / Benefits

- UV resistant jacket
- Flexible

Technical Features**STRUCTURE**

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

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	27.8mm (1.094in)
Cable Weight	0.86kg/m (0.578lb/ft)
Minimum Single Bending Radius	160mm (6.299in)
Minimum Multi Bending Radius	220mm (8.661in)
Recommended / Maximum Clamp Spacing	0.8 / 1 (2 / 3.25)

DC POWER CABLE SPECIFICATIONS

Maximum DC-Resistance Power Cable	0.78Ω/km (0.3Ω/kft)
Jacket Material	PE
Cross Section of Copper Wire Nicolas	25mm ² (3AWG)
Individual Copper Wire Jacket Material	Black and blue
Individual Copper Wire Single Bending Radius	64mm (2.52in)
Individual Copper Wire Diameter	8.5mm (0.335in)

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)