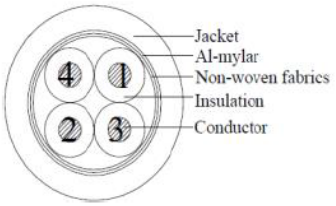
PRODUCT DATASHEET

PW-S-05S2-J

Power Connect cable 5,3 mm² 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-05S2-J** consists of two unshielded pair

DC wires protected by a corrugated Aluminum armor.

Feature / Benefits

- UV resistant jacket
- Comply with IEC 60228
- Flexible

Technical features

STRUCTURE

Cable Type	HYBRIFLEX™ Power Cable
Size	1/2
Number of Copper Wire Pairs	2

MECHANICAL SPECIFICATIONS

Outer Diameter Nominal	15.8mm (0.62in)
Cable Weight	0.3kg/m (0.2lb/ft)
Minimum Single Bending Radius	160mm (6.3in)
Minimum Multi Bending Radius	220mm (8.66in)
Recommended / Maximum Clamp Spacing	0.8 / 1 (2 / 3.25)

DC POWER CABLE SPECIFICATIONS

Maximum DC-Resistance Power Cable	3.48ohm/1000 m (1.06ohm/1000 ft)
Cross Section of Copper Wire Nicolas	5.3mm² (10AWG)
Shielding	Corrugated Aluminium Armor
Individual Copper Wire Jacket Material	UV stable black PE
Individual Copper Wire Jacket Thickness	0.65mm (0.025in)
Individual Copper Wire Single Bending Radius	53mm (2.1in)
Individual Copper Wire Diameter	4.4mm (0.17in)
DC Cable Jacket	UV stable black MDPE

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

PW-S-05S2-J

Power Connect cable 5,3 mm² for connection of one RRU

CABLE JACKET

UV-Protection Individual and External Jacket	Yes
Jacket Material	UV stable black PE

ARMOR SPECIFICATIONS

Armor Type	Corrugated aluminium armor

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

Fire Performance	PE
Standards (Meets or Exceeds)	IEC 60228

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering