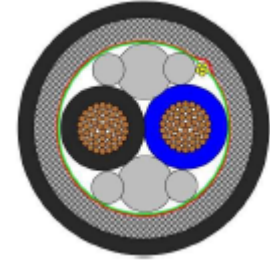




**RFS' HYBRIFLEX™** cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

**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-05S1-J** consists of one 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>		1
<b>Maximum DC-Resistance Power Cable</b>	Ω/km (Ω/kft)	3.48 (1.06)
<b>Cross Section of Power Cable</b>	mm <sup>2</sup> (AWG)	5.3 (10)
<b>Shielding</b>		Corrugated Aluminium Armor
<b>DC Wire Jacket Material</b>		UV stable black PE
<b>DC Wire Jacket Thickness</b>	mm (in)	0.65 (0.025)
<b>DC Cable Single Bending Radius</b>	mm (in)	53 (2.1)
<b>DC Cable Diameter</b>	mm (in)	4.4 (0.17)
<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)	0.3 (0.2)
<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>		4.4 (0.17)

**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 )

[External Document Links](#)[Notes](#)