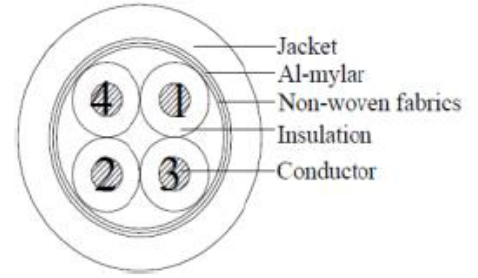




RFS' HYBRIFLEX™ cabling solution for Remote Radio Unit (RRU) combines optical fiber and DC power in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRU deployments. It was developed to reduce installation complexity and cost at Cellular sites.

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-08S2-J** consists of two unshielded pair DC wires protected by a corrugated Aluminum armor.



FEATURES / BENEFITS

- UV resistant jacket
- Comply with IEC 60228
- Flexible

Technical features

STRUCTURE

| | | |
|-------------------------|--|------------------------|
| Cable Type | | HYBRIFLEX™ Power Cable |
| Size | | 1/2 |
| Fire Performance | | PE |

DC POWER CABLE SPECIFICATIONS

| | | |
|--|-----------------------|----------------------------|
| Number of DC Pairs | | 2 |
| Maximum DC-Resistance Power Cable | Ω/km (Ω/kft) | 2.18 (0.66) |
| Cross Section of Power Cable | mm ² (AWG) | 8 (8) |
| Shielding | | Corrugated Aluminium Armor |
| DC Wire Jacket Material | | UV stable black PE |
| DC Wire Jacket Thickness | mm (in) | 0.7 (0.028) |
| DC Cable Single Bending Radius | mm (in) | 53 (2.1) |
| DC Cable Diameter | mm (in) | 4.7 (0.18) |
| DC Cable Jacket | | UV stable black PE |
| DC Standards (Meets or Exceeds) | | IEC 60228 |

MECHANICAL SPECIFICATIONS

| | | |
|---|--------------|--------------------|
| Cable Weight | kg/m (lb/ft) | 0.45 (0.3) |
| Minimum Bending Radius, (Operating) | mm (in) | 160 (6.3) |
| Minimum Bending Radius, (Installation) | mm (in) | 220 (8.66) |
| Recommended / Maximum Clamp Spacing | m (ft) | 0.8 / 1 (2 / 3.25) |

CABLE JACKET

| | | |
|---|---------|--------------------|
| UV-Protection Individual and External Jacket | | Yes |
| Jacket Material | | UV stable black PE |
| Outer Diameter Nominal | mm (in) | 15.8 (0.62) |



ARMOR SPECIFICATIONS

| | | |
|-------------------|--|----------------------------|
| Armor Type | | Corrugated aluminium armor |
|-------------------|--|----------------------------|

F/O CABLE SPECIFICATIONS

| | | |
|-------------------------------|--|------------------------|
| F/O Cable Type | | HYBRIFLEX™ Power Cable |
| Cable Diameter mm (in) | | 4.7 (0.18) |

TESTING AND ENVIRONMENTAL

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

[External Document Links](#)

[Notes](#)