

SRFS TELEINFRA



Flexible RF Cables & Assemblies(SRFSA800)

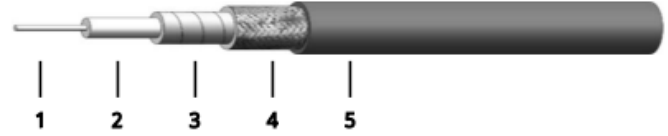
Features:

- * Low Insertion Loss
- * High Phase Stability
- * High Power
- * Low PIM

Applications:

- * Satellite Communication
- * Phased Array Radar
- * Avionics

Construction



| | | | | | | | | | | |
|------------------------|------|------|------|------|------|------|------|------|------|------|
| Frequency (GHz) | 0.1 | 0.3 | 0.5 | 1 | 2 | 4 | 6 | 8 | 12 | 18 |
| Attenuation*1(dB/100m) | 4.6 | 8.0 | 10.4 | 14.8 | 21.1 | 30.2 | 37.3 | 43.4 | 53.9 | 67.0 |
| Average Power*2 (W) | 5817 | 3341 | 2579 | 1812 | 1270 | 887 | 717 | 616 | 497 | 399 |

| Electrical & Mechanical Specifications | |
|--|-------------------------|
| Frequency: | DC~18GHz |
| Cut-off Frequency: | 19GHz |
| Impedance: | 50Ω |
| Velocity of Propagation: | 83% |
| Shielding Effectiveness: | 90dB min. |
| Voltage Withstand: | 2500V DC |
| PIM: | -155dBc |
| Phase Stability: | 750PPM@-55°C~+85°C max. |
| Bend Radius (installation): | 39.0mm |
| Bend Radius (repeated): | 79.0mm |
| Weight: | 130g/m |
| Temperature: | -55~+165°C |

| No. | Name | Size (mm) | Material |
|-----|-----------------|-----------|----------------------------|
| 1 | Inner Conductor | 2.30 | Silver-plated copper |
| 2 | Dielectric | 6.20 | Low density PTFE |
| 3 | Inner Shield | 6.44 | Silver-plated copper tape |
| 4 | Outer Shield | 7.05 | Silver-plated copper braid |
| 5 | Jacket | 7.90 | FEP |



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