

RFSD630

Ultra Low Loss Phase Stable Coax Cable

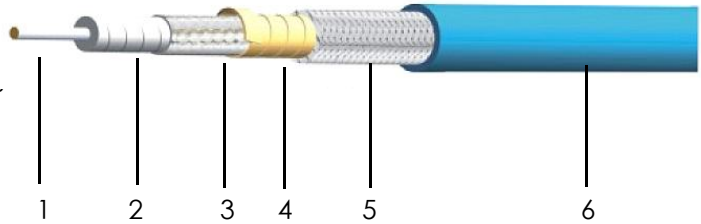
Ver A1 Release Date Match, 2015



P/N: 13063

Features&Benefits

- 76%Vp PTFE Tape+SPC Ribbon+Tri-shields
- Ultra-low loss, Better bending performance,Durabl
- Equivalent to SFT-205
- Replace to HP190s, UFA205A,LL142
SUCOFLEX-104,32055



Construction Specification

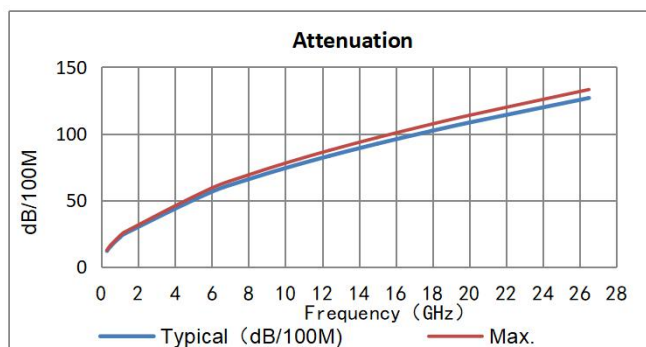
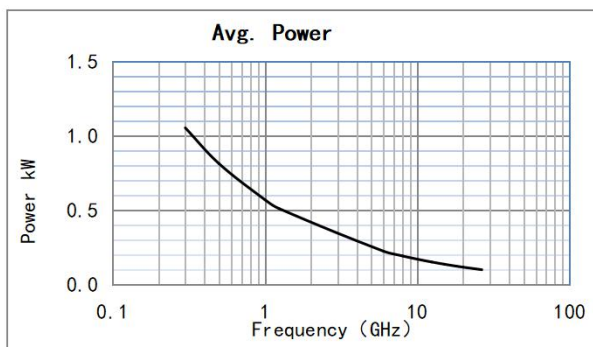
| | Description | Size (mm) | Tol. | Materials |
|---|------------------|-----------|-------|--------------------------------|
| 1 | Center conductor | 1.57 | ±0.02 | Silver Plated Copper |
| 2 | Dielectric | 4.72 | ±0.05 | LD PTFE |
| 3 | Outer conductor | 5.02 | ±0.05 | Silver Plated Copper Foil |
| 4 | Innerlayer | 5.16 | ±0.05 | High Temperature Aluminum Tape |
| 5 | Outer shield | 5.72 | ±0.10 | Silver Plated Copper |
| 6 | Jacket | 6.32 | ±0.10 | FEP Blue or customize |

Mechanical&Environmental Specifications

| | |
|-----------------------------------|---------|
| Bend Radius:installation (mm) | 31 |
| Bend Radius:repeated (mm) | 63 |
| Weight (g/m) | 50 |
| Temp, Operating&Installation (°C) | -55~165 |
| Cutoff Frequency(GHz) | 23 |

Electrical Specifications

| | |
|------------------------------|------|
| Operation Frequency (GHz) | 18 |
| Impedance (Ohms) | 50 |
| Velocity of Propagation | 76% |
| Shielding Effectiveness (dB) | ≥90 |
| Voltage Withstand (V,DC) | 2000 |



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

| | | | | | | | | | | | | |
|---------------|-----------|-------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|-------|
| Frequency MHz | 300 | 500 | 1000 | 1240 | 6000 | 8000 | 10000 | 12400 | 15000 | 18000 | 20000 | 26500 |
| dB/100 m | 12.0 | 15.6 | 22.2 | 24.8 | 56.4 | 65.8 | 74.2 | 83.4 | 92.5 | 102.2 | 108.4 | 126.8 |
| Avg.Power kW | 1.052 | 0.811 | 0.569 | 0.510 | 0.224 | 0.192 | 0.170 | 0.151 | 0.137 | 0.124 | 0.117 | 0.100 |
| K1= | 0.6827428 | | | | | K2= | 0.0005906 | | | | | |

Calculate Attenuation= $K1 \cdot \sqrt{FMHz} + K2 \cdot FMHz$

Maximum attenuation is 10% higher.

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