

High Performance Flexible Cable

Cable Type 37A

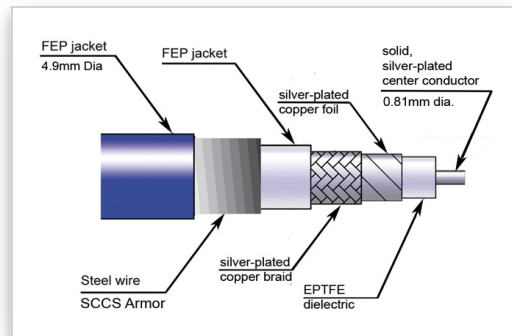
Ultimate Performance
DC - 50.00 GHz

| Specifications | | |
|--|---|-----------------------------|
| Cable Code | Standard | 37A |
| | Armored | Armored |
| Frequency Range | DC - 50.00 GHz | |
| Outer Diameter [mm] | 4.85 | |
| Impedance [Ohms] (@ sea level and +25°C) | 50 ± 2 | |
| Velocity of Propagation [% , ± 2%] | 83.00 | |
| Capacitance [pF/m] | 79.00 | |
| Dielectric Strength (60 Hz) [KV rms] | - | |
| Max. Operating Voltage (60 Hz, @ sea level) [KV rms] | - | |
| Nominal Insertion Loss vs. Frequency [dB/m] | 4.00 GHz | 0.80 |
| | 8.00 GHz | 1.16 |
| | 12.00 GHz | 1.46 |
| | 18.00 GHz | 1.85 |
| | 26.50 GHz | 2.30 |
| | 40.00 GHz | 2.95 |
| | 48.00 GHz | 3.25 |
| | 50.00 GHz | 3.35 |
| Nominal CW Power vs. Frequency (@ sea level and +20°C) [Watts] | 4.00 GHz | 225.00 |
| | 8.00 GHz | 150.00 |
| | 12.00 GHz | 120.00 |
| | 18.00 GHz | 100.00 |
| | 26.50 GHz | 80.00 |
| | 40.00 GHz | 60.00 |
| | 48.00 GHz | 52.00 |
| | 50.00 GHz | 50.00 |
| RF Leakage @ 9.5 GHz | >100 @ 18.0 GHz dbC | |
| Operating Temperature Range | -65 to +165 | |
| Center Conductor | Material | Solid Copper, silver-plated |
| | Diameter [mm] | 0.81 |
| Dielectric | Material | low-density PTFE |
| | Diameter [mm] | 2.21 |
| | Dielectric Constant | 1.5 |
| Outer Conductor Construction | silver-plated copper foil, silver-plated copper braid | |
| Outer Jacket | FEP | |
| Weight [grams/m] | 68.00 | |
| Connector Retention Force [N] | 130.00 | |
| Minimum Bend Radius, Inside, Static [mm] | 10.00 | |
| Minimum Bend Radius, Inside, Dynamic [mm] | 80.00 | |

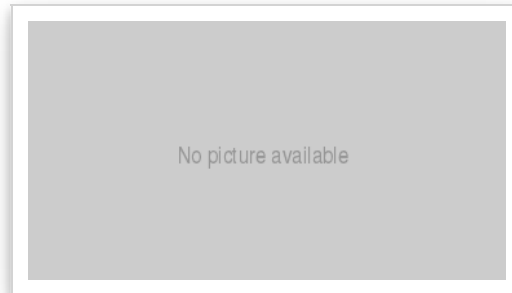
Characteristics:

- Ultimate Performance to 50.0 GHz
- Small diameter and excellent flexibility
- Meeting the very highest quality standard as needed for crucial applications in harsh environment
- Procurement for completely terminated assemblies, fully tested. The test documentation for VSWR and Insertion Loss will be supplied with the cable assembly
- Available Connectors: 2.4 mm, 2.92 mm, 3.5 mm, 7 mm, N, SMA, SBX, SBY, BQ-, CQ-, IQ-, RQ-, SQ-, TQ-Series and TNC

Cross Section View:



Attenuation & Power Graph:



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Specifications are subject to change without notice.