

962-025-047
 50 Ohm Low Loss Coax Cable

- 40 GHz
- FEP Jacket
- PFA Dielectric
- .047" Outer Shield Diameter
- Silver-Plated Copper Conductor



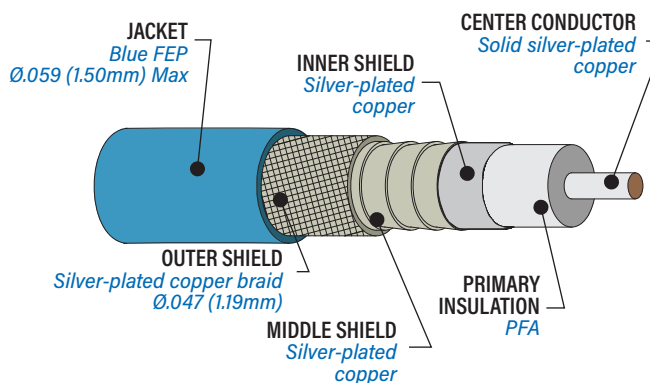
BLUMARK RF
 COAX CABLES

Industry leading insertion loss stability under vibration. 962-025 coax cable has abrasion resistant FEP jacket. Three metallic layers for greater than 90 dB of shielding effectiveness: flat SPC (silver-plated copper) tape inner shield, aluminum/polyimide foil interlayer, and round SPC braid outer shield. Solid SPC center conductor. PFA dielectric.

SPECIFICATIONS

- 50 ohm
- -65 to +165 °C
- Triple shield: silver plated copper braid over silver plated flat wire shields.
- Cable weight: 1.8 g/ft nom.
- Velocity of Propagation: 70%
- Capacitance (pf/ft): 29
- Min. Bend Radius: .2 in (5.1 mm)
- For use with Size #8 BMB, Size #12 SMPM, or Size #16 SMPS RF contacts in D38999 connector shells and other Glenair signature interconnects.

CONSTRUCTION



ATTENUATION

	Typical Attenuation (dB/ft)	Typical Attenuation (dB/meter)
0.5 GHz	0.270	0.884
1 GHz	0.384	1.260
4 GHz	0.788	2.585
10 GHz	1.282	4.206
18 GHz	1.766	5.794
26.5 GHz	2.189	7.182
40 GHz	2.763	9.065

CALCULATED INSERTION LOSS

$$IL = [K_1 \sqrt{F} + K_2 F] \times \text{Cable Length}$$

F = Frequency in MHz Feet or Meters per table below

	For Cable Length in Feet	For Cable Length in Meters
K_1	.0118313	.0388168
K_2	.0000099	.0000325

JUMPER AND CONNECTOR ASSEMBLIES FOR 962-025 SERIES BLUMARK RF CABLE

Part No.	Available Connector Interfaces and Contact Types
GRF02-0150: with Industry-Standard RF Connectors	SMA, 2.92mm, SMP, SMPM, SMPS
8576-0150: Jumpers for Multi-Port Connectors	SMA, 2.92mm, SMP, SMPM, SMPS, #8 BMB, #12 SMPM, #16 SMPS, VITA 67.3 SMPM, VITA 67.3 NanoRF
See Glenair RF, Microwave, and mmWave catalog for details	