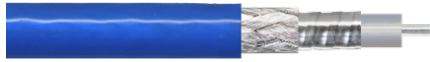


### 962-010-405

#### 50 Ohm Low Loss Coax Cable

- 40 GHz
- Tape+Braid Shields
- PTFE Dielectric
- FEP or ETFE Jacket
- .097" or .104" Diameter
- .020" Conductor

COAX CABLE



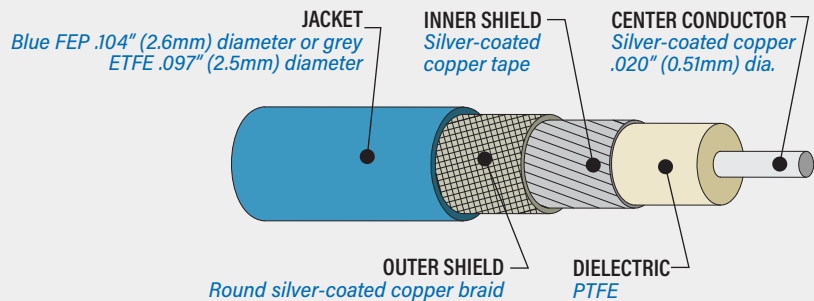
**50 ohm. Double shield. Low loss.** 962-010-405 coax cable is a flexible alternative to RG405 semi-rigid cable. Abrasion resistant blue FEP jacket or radiation resistant space-grade grey ETFE jacket. Two shield layers: flat SPC (silver-plated copper) tape wrap inner shield and round SPC braid outer shield. Solid SPC center conductor.

- 50 ohm
- FEP jacket: -55 to +165 °C
- ETFE jacket: -55 to +155 °C
- >90 dB shield effectiveness
- Double shield: braid over tape wrap
- Flexible equivalent to RG405

### PART NUMBER

Cable Outer Jacket	Part Number	
FEP, Blue	<b>962-010-405</b>	<i>Order in one foot increments</i>
ETFE, Grey	<b>962-010-405TZ</b>	<i>Order in one foot increments</i>

### CONSTRUCTION



### DIMENSIONS

	in	mm
Center Conductor	.020	0.51
Dielectric	.064	1.6
Inner Shield	.071	1.8
Outer Shield	.086	2.2
FEP Jacket	.104	2.6
ETFE Jacket	.097	2.5
Min. Bend Radius	.236	6.0

### ATTENUATION

	Attenuation (dB/ft)
0.5 GHz	.162
0.8 GHz	.207
1 GHz	.233
3 GHz	.419
6 GHz	.614
8 GHz	.721
10 GHz	.819
15 GHz	1.036
18 GHz	1.154
20 GHz	1.229
26.5 GHz	1.456
30 GHz	1.571
35 GHz	1.728
40 GHz	1.878

### ELECTRICAL SPECIFICATIONS

Impedance (ohms)	50
Velocity of Propagation	70%
Capacitance (pf/ft)	28.9
Shielding Effectiveness (dB)	>90
Delay (ns/ft)	1.43
Max. Operating Frequency (GHz)	40

### OPERATING TEMPERATURE

FEP Jacket	-55 to +165 °C
ETFE Jacket	-55 to +155 °C