



Providing complete avionics installation provisions and support for the Aviation industry since 1984.

# 50 Ohm Coaxial Cable

**P/N 532101**



**Conductor:** 22 AWG stranded silver plated copper  
**Dielectric:** High temperature fluoropolymer  
**Shield 1:** Aluminum tape  
**Shield 2:** Silver plated copper braid  
**Jacket:** White high temperature fluoropolymer (laser markable)

### Physical Characteristics

**Outer Diameter:** 0.130 in. nominal  
**Bend Radius:** 0.65 in. nominal  
**Weight:** 1.55 lbs/100 ft nominal  
**Temperature Range:** -55° to +200° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 50.0 Ohms nominal  
**Capacitance:** 27.0 pF/ft nominal  
**DC Resistance:** 14.80 Ohms/1000 ft nominal  
**Time Delay:** 1.34 ns/ft nominal  
**Attenuation:** 10 MHz 2.0 dB/100 ft; (nominal)  
 400 MHz 10.0 dB/100 ft;  
 1.0 GHz 17.0 dB/100 ft

### Environmental:

- ECS avionics cables are designed to meet, or exceed, burn requirements as set forth in Federal Aviation Regulations 14 CFR Part 25.869(a)(4) Amdt 25-113, Appendix F Part I(a)(3).
- They are manufactured with materials which, when subjected to flames or high temperatures, will not outgas deadly hydrogen chloride produced by conventional PVC cables.

## Connector Types for Cable 532101

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR522	BNC 90°	CBR522	ARINC 404 Size 1	LM522
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L5122
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	M5122
TNC Straight	CTS522	BNC Straight	CBS522	ARINC 600 Size 5	P522
TNC Panel Mount	RTS522	BNC Bulkhead	BBS522	SMA 90°	CSR522
TNC Bulkhead	BTS522	N 90°	CNR522	SMA Straight	CSS522
C 90°	CCR522	N Straight	CNS522	HN 90°	N/A
C Straight	CCS522	N Bulkhead	BNS522		

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