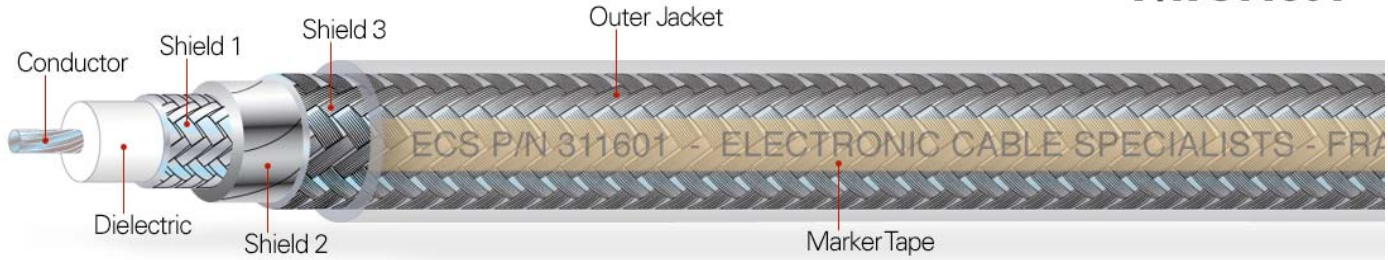




Providing complete avionics installation provisions and support for the Aviation industry since 1984.

# 50 Ohm Coaxial Cable

**P/N 311601**



**Conductor:** 16 AWG stranded silver plated copper  
**Dielectric:** High temperature fluoropolymer  
**Shield 1:** Silver plated copper flat braid  
**Shield 2:** Aluminum foil  
**Shield 3:** 38 AWG silver plated copper braid  
**Jacket:** Clear high temperature fluoropolymer

### Physical Characteristics

**Outer Diameter:** 0.229 in. nominal  
**Bend Radius:** 1.15 in. nominal  
**Weight:** 5.0 lbs/100 ft nominal  
**Temperature Range:** -55° to +200° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 50.0 Ohms nominal  
**Capacitance:** 25.5 pF/ft nominal  
**DC Resistance:** 4.1 Ohms/1000 ft nominal  
**Time Delay:** 1.25 ns/ft nominal  
**Attenuation:** 1 GHz 8.60 dB/100 ft;  
 (nominal) 2 GHz 12.20 dB/100 ft;  
 3 GHz 15.50 dB/100 ft;  
 5 GHz 20.30 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 311601

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR922	BNC 90°	CBR922	ARINC 404 Size 1	LM922
TNC 90° Extended	CTRE922	BNC 90° Extended	CBRE922	ARINC 600 Size 1	L9122
TNC 90° Long	CTRL922	BNC 90° Long	CBRL922	ARINC 600 Size 1RF	M9122
TNC Straight	CTS922	BNC Straight	CBS922	ARINC 600 Size 5	P922
TNC Panel Mount	RTS922	BNC Bulkhead	N/A	SMA 90°	CSR922
TNC Bulkhead	BTS922	N 90°	CNR922	SMA Straight	CSS922
C 90°	CCR922	N Straight	CNS922	HN 90°	CHR922
C Straight	CCS922	N Bulkhead	BNS922	ARINC 600 Size 8	CAS982

**Cage Code:** 66197 • **Issue Date:** 9/21/09

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