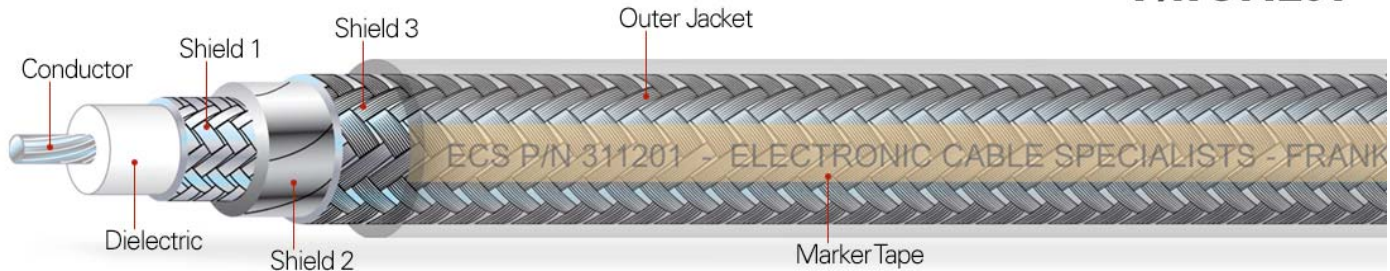




Providing complete avionics installation provisions and support for the Aviation industry since 1984.

# 50 Ohm Coaxial Cable

**P/N 311201**



**Conductor:** 12 AWG stranded silver plated copper  
**Dielectric:** High temperature fluoropolymer  
**Shield 1:** Flat silver plated copper braid  
**Shield 2:** Aluminum foil  
**Shield 3:** 36 AWG silver-plated copper braid  
**Jacket:** Clear high temperature fluoropolymer (laser markable)

### Physical Characteristics

**Outer Diameter:** 0.317 in. nominal  
**Bend Radius:** 1.59 in. nominal  
**Weight:** 8.6 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:** 1.69 Ohms/1000 ft nominal  
**Time Delay:** 1.25 ns/ft nominal  
**Attenuation:** 1 GHz 5.50 dB/100 ft; (nominal)  
 2 GHz 7.80 dB/100 ft;  
 3 GHz 9.40 dB/100 ft;  
 5 GHz 12.70 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 311201

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR122	BNC 90°	CBR122	ARINC 404 Size 1	LM122
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L1122
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	M1122
TNC Straight	CTS122	BNC Straight	CBS122	ARINC 600 Size 5	N/A
TNC Panel Mount	N/A	BNC Bulkhead	N/A	SMA 90°	CSR122
TNC Bulkhead	BTS122	N 90°	CNR122	SMA Straight	CSS122
C 90°	CCR122	N Straight	CNS122	HN 90°	CHR122
C Straight	CCS122	N Bulkhead	BN3122		

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

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