



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

# 50 Ohm Coaxial Cable

**P/N 310801**



**Conductor:** 8 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:** 0.452 in. nominal  
**Bend Radius:** 2.26 in. nominal  
**Weight:** 19 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:** 0.67 Ohms/1000 ft nominal  
**Time Delay:** 1.25 ns/ft nominal  
**Attenuation:** 1 GHz 3.50 dB/100 ft; (nominal)  
 2 GHz 5.20 dB/100 ft;  
 3 GHz 6.75 dB/100 ft;  
 5 GHz 8.97 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 310801

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR022	BNC 90°	CBR022	ARINC 404 Size 1	LM022
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L0122
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	M0122
TNC Straight	CTS022	BNC Straight	CBS022	ARINC 600 Size 5	N/A
TNC Panel Mount	N/A	BNC Bulkhead	N/A	SMA 90°	N/A
TNC Bulkhead	BTS022	N 90°	CNR022	SMA Straight	N/A
C 90°	CCR022	N Straight	CNS022	HN 90°	CHR022
C Straight	CCS022	N Bulkhead	BNS022		

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

5300 W. Franklin Drive  
 Franklin, Wisconsin 53132 USA

414.421.5300 • 800.327.9473  
 sales@ecsdirect.com • www.ecsdirect.com

