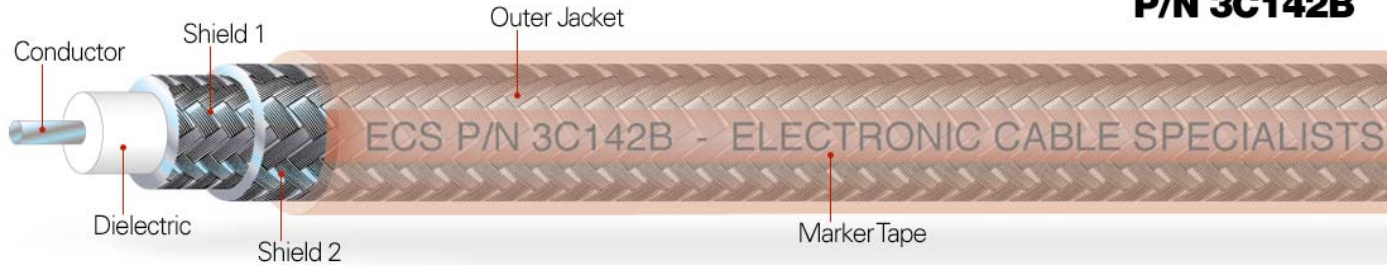




Providing complete avionics installation provisions and support for the Aviation industry since 1984.

# 50 Ohm Coaxial Cable

**P/N 3C142B**



**Conductor:** 20 AWG silver coated copper clad steel  
**Dielectric:** High temperature fluoropolymer  
**Shield 1:** Silver plated flat braid  
**Shield 2:** 36 AWG silver plated copper braid  
**Jacket:** Tan high temperature fluoropolymer (laser markable)

### Physical Characteristics

**Outer Diameter:** 0.195 in. nominal  
**Bend Radius:** 1.0 in. nominal  
**Weight:** 4.0 lbs/100 ft. nominal  
**Temperature Range:** -55° to +200° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 50.0 Ohms nominal  
**Capacitance:** 29.4 pF/ft. nominal  
**DC Resistance:** 19.5 Ohms/1000 ft. nominal  
**Time Delay:** 1.46 ns/ft. nominal  
**Attenuation:** 1000 MHz 13.00 dB/100 ft; (nominal)  
 2000 MHz 21.00 dB/100 ft;  
 3000 MHz 29.00 dB/100 ft;  
 5000 MHz 39.00 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 3C142B

Connector Type	Connector P/N	Connector Type	Connector P/N	Connector Type	Connector P/N
TNC 90°	CTR722	BNC 90°	CBR722	ARINC 404 Size 1	LM722
TNC 90° Extended	N/A	BNC 90° Extended	N/A	ARINC 600 Size 1	L7122
TNC 90° Long	N/A	BNC 90° Long	N/A	ARINC 600 Size 1RF	M7122
TNC Straight	CTS722	BNC Straight	CBS722	ARINC 600 Size 5	620021
TNC Panel Mount	N/A	BNC Bulkhead	BBS722	SMA 90°	CSR722
TNC Bulkhead	BTS722	N 90°	CNR722	SMA Straight	CSS722
C 90°	CCR722	N Straight	CNS722	HN 90°	CHR722
C Straight	CCS722	N Bulkhead	BNS3722		

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