



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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