



"Providing complete avionics installation provisions and support for the Aerospace 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
TNC 90°	CTR722
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Straight	CTS722
TNC Panel Mount	N/A
TNC Bulkhead	BTS722
C 90°	CCR722
C Straight	CCS722

Connector Type	Connector P/N
BNC 90°	CBR722
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Straight	CBS722
BNC Bulkhead	BBS722
N 90°	CNR722
N Straight	CNS722
N Bulkhead	BNS3722

Connector Type	Connector P/N
ARINC 404 Size 1	LM722
ARINC 600 Size 1	L7122
ARINC 600 Size 1RF	M7122
ARINC 600 Size 5	620021
SMA 90°	CSR722
SMA Straight	CSS722
HN 90°	CHR722

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5300 W. Franklin Drive
Franklin, Wisconsin 53132 USA

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

