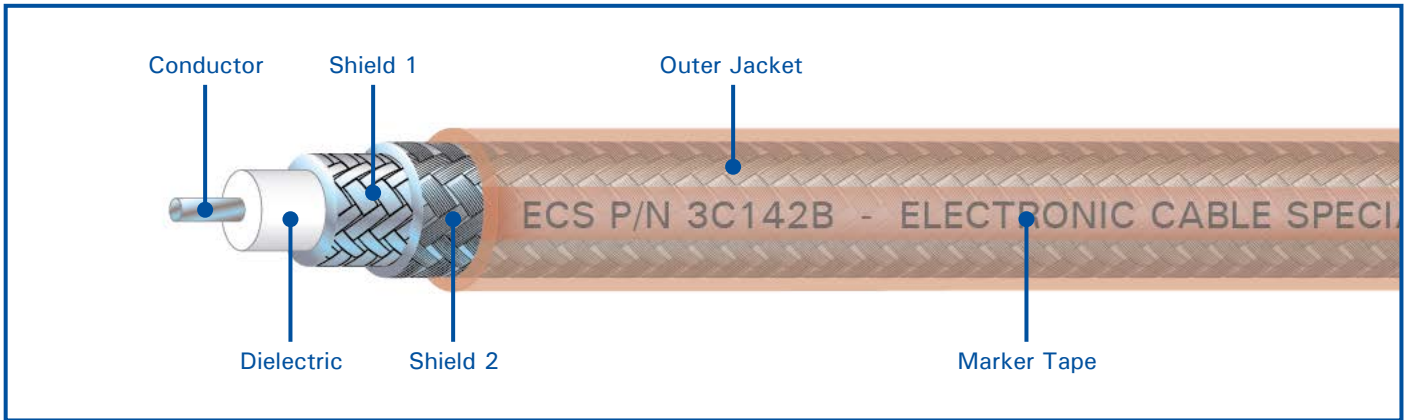


50 Ohm Coaxial Cable

P/N 3C142B



CONSTRUCTION DETAILS

- Conductor:** 20 AWG silver-coated copper clad steel
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Flat silver-plated braid
- Shield 2:** 36 AWG silver-plated copper braid
- Jacket:** Tan high temperature fluoropolymer

ENVIRONMENTAL DETAILS

- » 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.

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
- Velocity of Propagation:** 70% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 5.0 dB/100 ft. @ 150 MHz
(nominal) 14.5 dB/100 ft. @ 1000 MHz
18.1 dB/100 ft. @ 1600 MHz
22.2 dB/100 ft. @ 2400 MHz
34.9 dB/100 ft. @ 5000 MHz

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
ARINC 600 Size 8	N/A

