

50 Ohm Coaxial Cable

P/N 421601



CONSTRUCTION DETAILS

- Conductor:** 16 AWG solid copper wire
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Aluminum tape
- Shield 2:** Tin-plated copper braid
- Jacket:** Purple 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:** 0.205 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:** 26.70 pF/ft. nominal
- DC Resistance:** 4.0 Ohms/1000 ft. nominal
- Time Delay:** 1.34 ns/ft. nominal
- Velocity of Propagation:** 76% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 3.8 dB/100 ft. @ 150 MHz (nominal)
- 8.9 dB/100 ft. @ 1000 MHz
- 11.1 dB/100 ft. @ 1600 MHz
- 12.7 dB/100 ft. @ 2400 MHz
- 19.6 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 421601

Connector Type	Connector P/N
TNC 90°	CTR922
TNC 90° Extended	CTRE922
TNC 90° Long	CTRL922
TNC Straight	CTS922
TNC Panel Mount	RTS922
TNC Bulkhead	BTS922
C 90°	CCR922
C Straight	CCS922

Connector Type	Connector P/N
BNC 90°	CBR922
BNC 90° Extended	CBRE922
BNC 90° Long	CBRL922
BNC Straight	CBS922
BNC Bulkhead	N/A
N 90°	CNR922
N Straight	CNS922
N Bulkhead	BNS922

Connector Type	Connector P/N
ARINC 404 Size 1	LM922
ARINC 600 Size 1	L9122
ARINC 600 Size 1RF	M9122
ARINC 600 Size 5	P922
SMA 90°	CSR922
SMA Straight	CSS922
HN 90°	CHR922
ARINC 600 Size 8	CAS982

