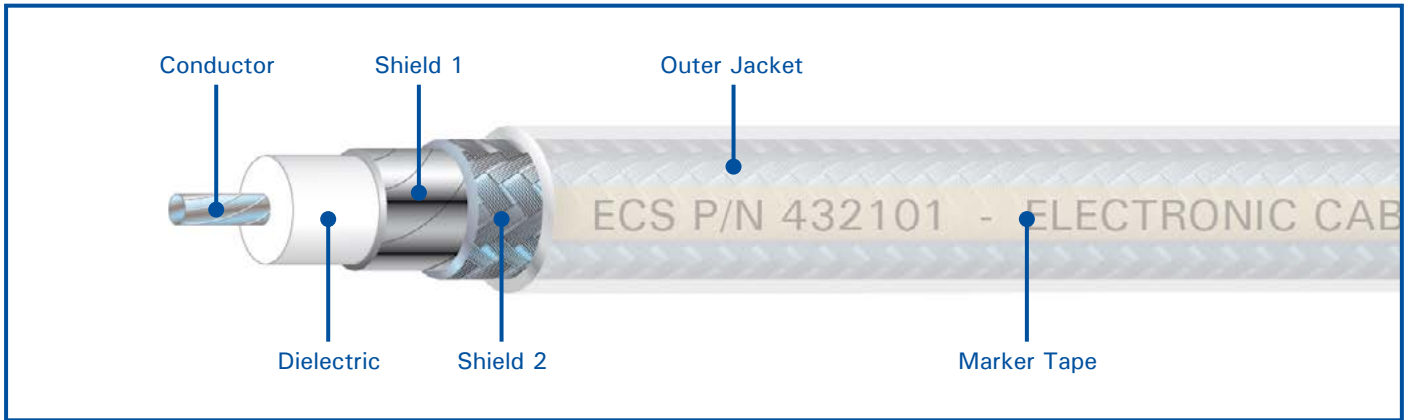


50 Ohm Coaxial Cable

P/N 432101



CONSTRUCTION DETAILS

- Conductor:** 20 AWG stranded silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Aluminum tape
- Shield 2:** Tin-plated copper braid
- Jacket:** White high temperature fluoropolymer (laser markable)

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:** 0.130 in. nominal
- Bend Radius:** 0.65 in. nominal
- Weight:** 1.45 lbs/100 ft. nominal
- Temperature Range:** -55° to +200°C
- Skydrol Resistant:** Yes

ELECTRICAL CHARACTERISTICS

- Impedance:** 50.0 Ohms nominal
- Capacitance:** 26.0 pF/ft. nominal
- DC Resistance:** 9.6 Ohms/1000 ft. nominal
- Time Delay:** 1.34 ns/ft. nominal
- Velocity of Propagation:** 76% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 5.3 dB/100 ft. @ 150 MHz
(nominal) 14.3 dB/100 ft. @ 1000 MHz
17.8 dB/100 ft. @ 1600 MHz
21.4 dB/100 ft. @ 2400 MHz
33.4 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 432101

Connector Type	Connector P/N
TNC 90°	CTR522
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Straight	CTS522
TNC Panel Mount	N/A
TNC Bulkhead	BTS522
C 90°	CCR522
C Straight	CCS522

Connector Type	Connector P/N
BNC 90°	CBR522
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Straight	CBS522
BNC Bulkhead	BBS522
N 90°	CNR522
N Straight	CNS522
N Bulkhead	BNS522

Connector Type	Connector P/N
ARINC 404 Size 1	LM522
ARINC 600 Size 1	L5122
ARINC 600 Size 1RF	M5122
ARINC 600 Size 5	P522
SMA 90°	CSR522
SMA Straight	CSS522
HN 90°	N/A
ARINC 600 Size 8	N/A

