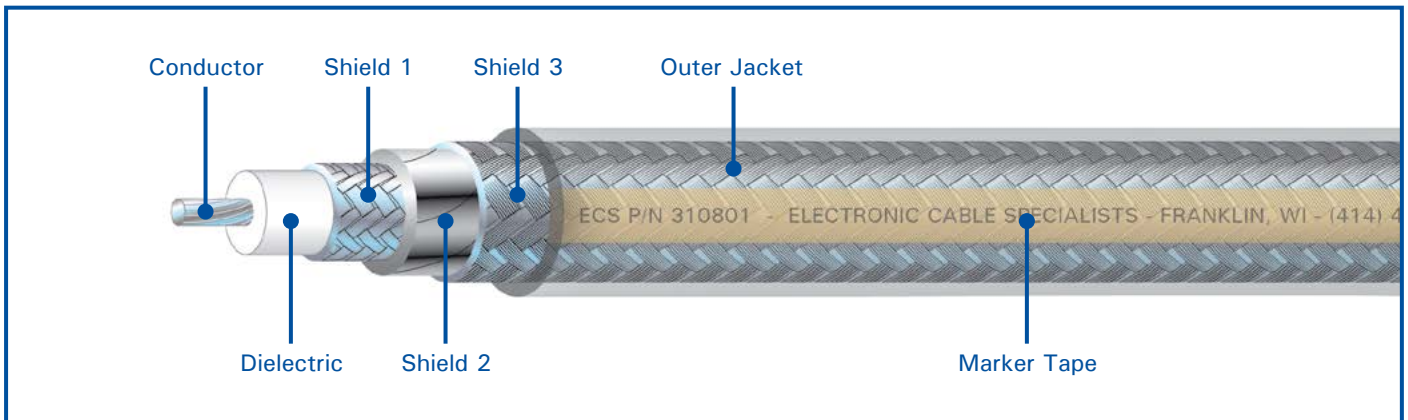


50 Ohm Coaxial Cable

P/N 310801



CONSTRUCTION DETAILS

- Conductor:** 8 AWG stranded silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Flat silver-plated copper braid
- Shield 2:** Aluminum foil
- Shield 3:** 36 AWG silver-plated copper braid
- Jacket:** Clear 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:** 0.452 in. nominal
- Bend Radius:** 2.26 in. nominal
- Weight:** 19 lbs/100 ft. nominal
- Temperature Range:** -55° to +200°C
- Skydrol Resistant:** Yes

ELECTRICAL CHARACTERISTICS

- Impedance:** 50.0 Ohms nominal
- Capacitance:** 25.5 pF/ft. nominal
- DC Resistance:** 0.67 Ohms/1000 ft. nominal
- Time Delay:** 1.25 ns/ft. nominal
- Velocity of Propagation:** 81% nominal
- Shield Effectiveness:** > 90 dB
- Attenuation:** 1.3 dB/100 ft. @ 150 MHz (nominal)
- 3.6 dB/100 ft. @ 1000 MHz
- 4.6 dB/100 ft. @ 1600 MHz
- 6.5 dB/100 ft. @ 2400 MHz
- 8.5 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 310801

Connector Type	Connector P/N
TNC 90°	CTR022
TNC 90° Extended	N/A
TNC 90° Long	N/A
TNC Straight	CTS022
TNC Panel Mount	N/A
TNC Bulkhead	BTS022
C 90°	CCR022
C Straight	CCS022

Connector Type	Connector P/N
BNC 90°	CBR022
BNC 90° Extended	N/A
BNC 90° Long	N/A
BNC Straight	CBS022
BNC Bulkhead	N/A
N 90°	CNR022
N Straight	CNS022
N Bulkhead	BNS022

Connector Type	Connector P/N
ARINC 404 Size 1	LM022
ARINC 600 Size 1	LO122
ARINC 600 Size 1RF	MO122
ARINC 600 Size 5	N/A
SMA 90°	N/A
SMA Straight	N/A
HN 90°	CHR022
ARINC 600 Size 8	N/A

