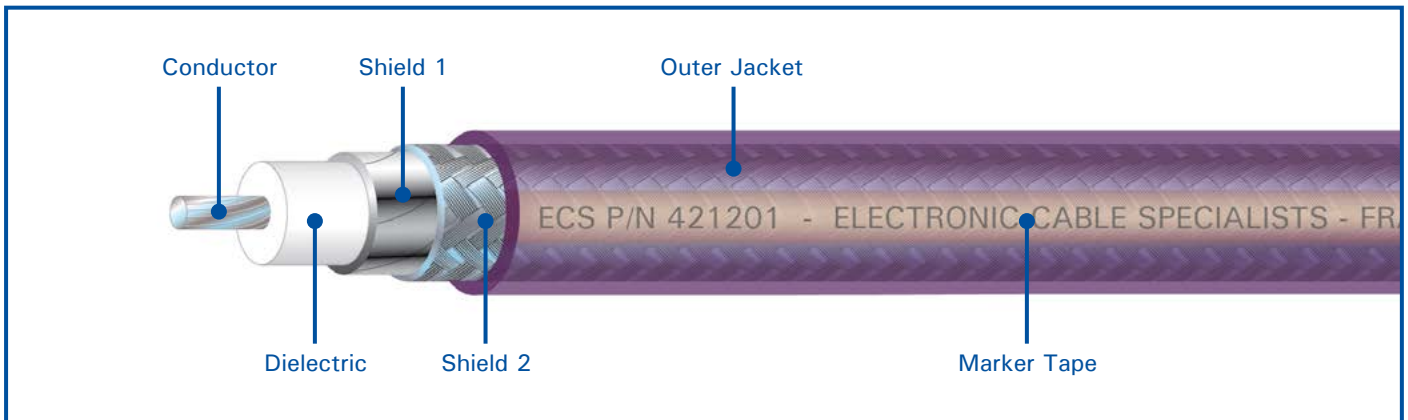


50 Ohm Coaxial Cable

P/N 421201



CONSTRUCTION DETAILS

- Conductor:** 12 AWG stranded silver-plated copper
- Dielectric:** High temperature fluoropolymer
- Shield 1:** Aluminum tape
- Shield 2:** Silver-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:** 0.313 in. nominal
- Bend Radius:** 1.6 in. nominal
- Weight:** 7.5 lbs/100 ft. nominal
- Temperature Range:** -55° to +200°C
- Skydrol Resistant:** Yes

ELECTRICAL CHARACTERISTICS

- Impedance:** 50.0 Ohms nominal
- Capacitance:** 27.0 pF/ft. nominal
- DC Resistance:** 1.69 Ohms/1000 ft. nominal
- Time Delay:** 1.27 ns/ft. nominal
- Velocity of Propagation:** 80% nominal
- Shield Effectiveness:** > 80 dB
- Attenuation:** 2.4 dB/100 ft. @ 150 MHz
(nominal) 6.3 dB/100 ft. @ 1000 MHz
7.8 dB/100 ft. @ 1600 MHz
8.9 dB/100 ft. @ 2400 MHz
14.0 dB/100 ft. @ 5000 MHz

CONNECTOR TYPES FOR CABLE 421201

| Connector Type | Connector P/N |
|------------------|---------------|
| TNC 90° | CTR122 |
| TNC 90° Extended | N/A |
| TNC 90° Long | N/A |
| TNC Straight | CTS122 |
| TNC Panel Mount | N/A |
| TNC Bulkhead | BTS122 |
| C 90° | CCR122 |
| C Straight | CCS122 |

| Connector Type | Connector P/N |
|------------------|---------------|
| BNC 90° | CBR122 |
| BNC 90° Extended | N/A |
| BNC 90° Long | N/A |
| BNC Straight | CBS122 |
| BNC Bulkhead | N/A |
| N 90° | CNR122 |
| N Straight | CNS122 |
| N Bulkhead | BN3122 |

| Connector Type | Connector P/N |
|--------------------|---------------|
| ARINC 404 Size 1 | LM122 |
| ARINC 600 Size 1 | L1122 |
| ARINC 600 Size 1RF | M1122 |
| ARINC 600 Size 5 | N/A |
| SMA 90° | CSR122 |
| SMA Straight | CSS122 |
| HN 90° | CHR122 |
| ARINC 600 Size 8 | N/A |

