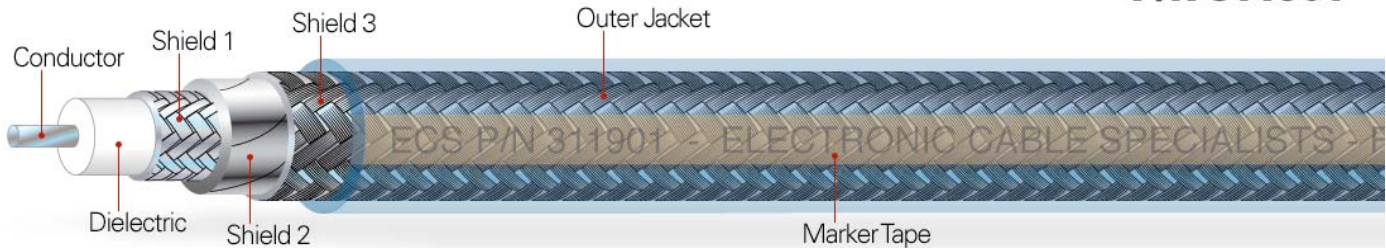




Providing complete avionics installation provisions and support for the Aviation industry since 1984.

# 50 Ohm Coaxial Cable

**P/N 311901**



**Conductor:** 19 AWG solid silver plated copper  
**Dielectric:** High temperature fluoropolymer  
**Shield 1:** Silver plated copper braid  
**Shield 2:** Aluminum foil  
**Shield 3:** 36 AWG silver plated copper braid  
**Jacket:** Blue high temperature fluoropolymer

### Physical Characteristics

**Outer Diameter:** 0.195 in. nominal  
**Bend Radius:** 1.0 in. nominal  
**Weight:** 4.3 lbs/100 ft nominal  
**Temperature Range:** -55° to +200° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 50.0 Ohms nominal  
**Capacitance:** 29.3 pF/ft nominal  
**DC Resistance:** 19.5 Ohms/1000 ft nominal  
**Time Delay:** 1.46 ns/ft nominal  
**Attenuation:** 1000 MHz 11.50 dB/100 ft nominal

### Environmental:

- 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.

## Connector Types for Cable 311901

| Connector Type   | Connector P/N | Connector Type   | Connector P/N | Connector Type     | Connector P/N |
|------------------|---------------|------------------|---------------|--------------------|---------------|
| TNC 90°          | CTR722        | BNC 90°          | CBR722        | ARINC 404 Size 1   | LM722         |
| TNC 90° Extended | N/A           | BNC 90° Extended | N/A           | ARINC 600 Size 1   | L7122         |
| TNC 90° Long     | N/A           | BNC 90° Long     | N/A           | ARINC 600 Size 1RF | M7122         |
| TNC Straight     | CTS722        | BNC Straight     | CBS722        | ARINC 600 Size 5   | 620021        |
| TNC Panel Mount  | N/A           | BNC Bulkhead     | BBS722        | SMA 90°            | CSR722        |
| TNC Bulkhead     | BTS722        | N 90°            | CNR722        | SMA Straight       | CSS722        |
| C 90°            | CCR722        | N Straight       | CNS722        | HN 90°             | CHR722        |
| C Straight       | CCS722        | N Bulkhead       | BN3722        |                    |               |

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