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# ARINC 429 Data Bus Cable

**P/N 522402**



**2 Conductors:** 24 AWG silver plated copper alloy  
**Insulation:** High temperature fluoropolymer  
**Color Code:** Light Blue, White  
**Shield 1:** Tin plated copper braid  
**Jacket:** White high temperature fluoropolymer

### Physical Characteristics

**Outer Diameter:** 0.125 inches nominal  
**Bend Radius:** 0.625 inches nominal  
**Weight:** 1.25 lbs/100 feet nominal  
**Temperature Range:** -55° to +200° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 70 Ohms nominal  
**Capacitance:** 21 pF/ft maximum  
**Velocity of Propagation:** 70% nominal  
**Attenuation:** 1 MHz 1.40 dB/100 ft nominal

### Applications

ARINC 429

### Environmental:

- ECS data bus 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.

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