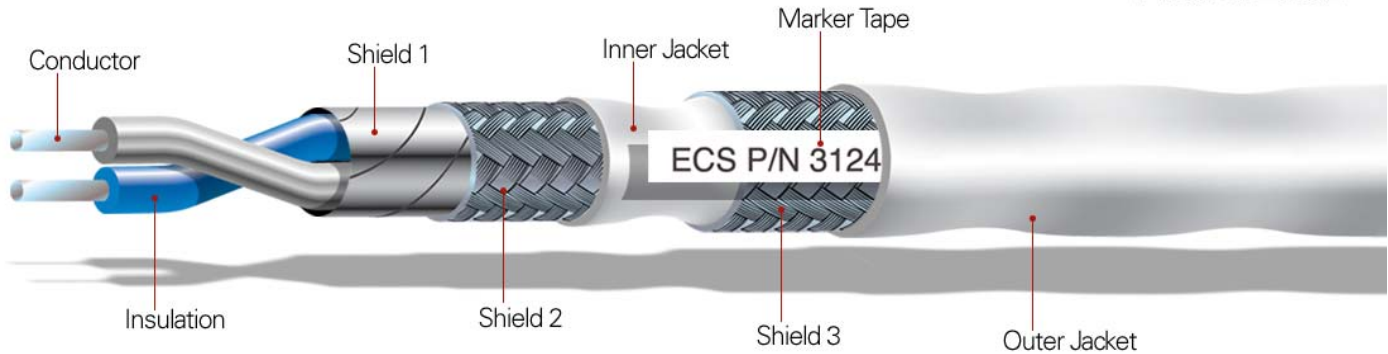




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# ARINC 453 Data Bus Cable

**P/N 312402**



**2 Conductors:** 22 AWG stranded tin plated copper  
**Insulation:** High temperature fluoropolymer  
**Color Code:** White, Blue  
**Shield 1:** Aluminum/Polyester foil  
**Shield 2:** 36 AWG tin plated copper braid  
**Inner Jacket:** White high temperature fluoropolymer  
**Shield 3:** 36 AWG tin plated copper braid  
**Outer Jacket:** White high temperature fluoropolymer  
(laser markable)

### Physical Characteristics

**Outer Diameter:** 0.274 inches nominal  
**Bend Radius:** 1.40 inches nominal  
**Weight:** 2.50 lbs/100 feet nominal  
**Temperature Range:** -55° to +150° C  
**Skydrol Resistant:** Yes

### Electrical Characteristics

**Impedance:** 78 Ohms nominal  
**Capacitance:** 19.2 pF/ft maximum  
**Attenuation:** 1 MHz 1.0 dB/100 ft nominal

### Applications

ARINC 453, ARINC 708 Weather Radar, General Purpose

### 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.

**Cage Code:** 66197 • **Issue Date:** 9/2109

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