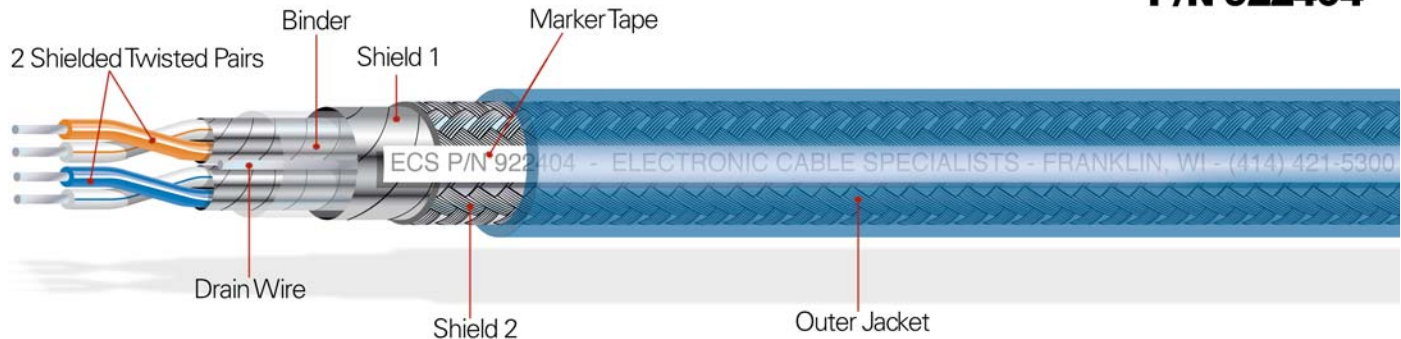




Providing complete avionics installation provisions  
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# Cat 5e Data Bus Cable

**P/N 922404**



## 2 Twisted Pairs:

**Conductors:** 24 AWG silver plated copper alloy

**Insulation:** High temperature fluoropolymer

**Shield:** Aluminum/Polyester tape

## Color Code:

**Pair 1:** White/Blue, Blue/White

**Pair 2:** White/Orange, Orange/White

## Overall Cable:

**Drain Wire:** 24 AWG silver plated copper alloy

**Binder:** Polyester tape

**Shield 1:** Aluminum/Polyester tape

**Shield 2:** 38 AWG silver coated copper braid

**Jacket:** Blue high temperature fluoropolymer  
(laser markable)

## Physical Characteristics

**Outer Diameter:** 0.240 inches nominal

**Bend Radius:** 1.5 inches nominal

**Weight:** 3.75 lbs/100 feet nominal

**Temperature Range:** -55° to +150° C

**Skydrol Resistant:** Yes

## Electrical Characteristics (each pair)

**Impedance:** 100 Ohms nominal

**Capacitance:** 15.0 pF/ft maximum

**Velocity of Propagation:** 78% nominal

**Attenuation:** 10 MHz 2.38 dB/100 feet  
(nominal) 100 MHz 7.6 dB/100 feet

## Applications

LAN, 10/100 Base T

## 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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