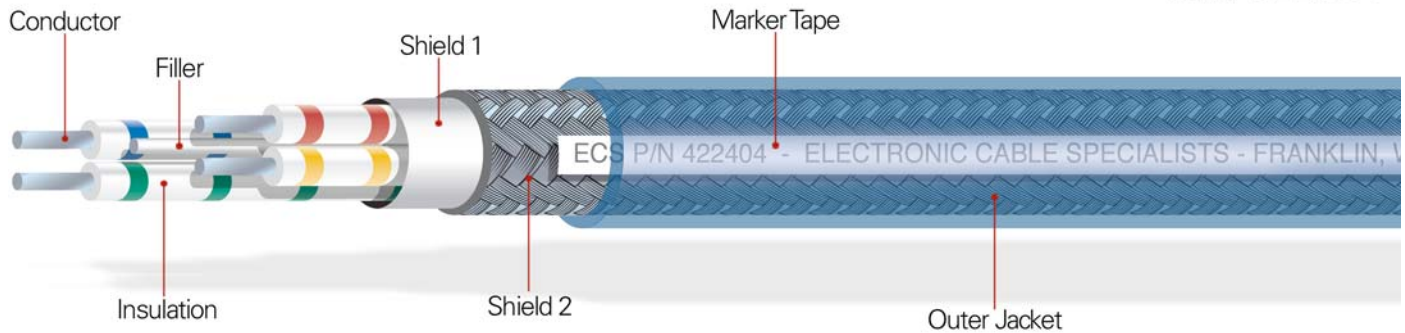




Providing complete avionics installation provisions  
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# Star Quad Data Bus Cable

**P/N 422404**



## **4 Conductors**

### **2 Parallel Pairs:**

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

**Insulation:** High temperature fluoropolymer

### **Color Code:**

**Pair 1:** Natural/Red, Natural/Blue

**Pair 2:** Natural/Yellow, Natural/Green

### **Overall Cable:**

**Filler:** High temperature fluoropolymer rods

**Shield 1:** Aluminum/Polyester tape

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

**Jacket:** Blue high temperature fluoropolymer

## **Physical Characteristics**

**Outer Diameter:** 0.155 inches nominal

**Bend Radius:** 1.0 inches nominal

**Weight:** 2.3 lbs/100 feet nominal

**Temperature Range:** -55° to +200° C

**Skydrol Resistant:** Yes

## **Electrical Characteristics (each pair)**

**Impedance:** 100 Ohms nominal

**Capacitance:** 15 pF/ft maximum

**Velocity of Propagation:** 78% nominal

**Conductor Resistance:** 96 Ohms/km maximum

**Attenuation:** 10 MHz 7.30 dB/100 meters  
(nominal) 100 MHz 25.5 dB/100 meters

## **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.

**Cage Code:** 66197 • **Issue Date:** 9/21/09

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