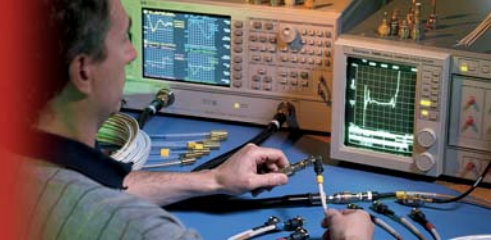




"Providing complete avionics installation provisions and support for the Aerospace industry since 1984."



# Cat 5e Data Bus Cable

**P/N 522404**



## 2 Twisted Pairs:

- Conductors:** 24 AWG solid copper
- Insulation:** High temperature fluoropolymer
- Color Code:**
  - Pair 1:** White/Green, Green
  - Pair 2:** White/Orange, Orange

## Overall Cable:

- Fillers:** Fiberglass, to make round
- Barrier:** High temperature fluoropolymer
- Shield 1:** Aluminum/Polyester tape
- Shield 2:** 38 AWG tin plated copper braid
- Jacket:** Black high temp fluoropolymer

## Physical Characteristics

- Outer Diameter:** 0.24 inches nominal
- Bend Radius:** 1.2 inches nominal
- Weight:** 4.4 lbs/100 feet nominal
- Temperature Range:** -55° to +150° C
- Skydrol Resistant:** Yes

## Electrical Characteristics (each pair)

- Impedance:** 100 Ohms nominal
- Capacitance:** 15 pF/ft maximum
- Velocity of Propagation:** 78% nominal
- Voltage Range:** 150 volts (rms)
- Attenuation:** 10 MHz 2.0 dB/100 ft; (nominal) 100 MHz 6.7 dB/100 ft

## Application

Cat 5e, Databus

## 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:** 5/1/07

5300 W. Franklin Drive  
Franklin, Wisconsin 53132 USA

414.421.5300 • 800.327.9473  
sales@ecsdirect.com • www.ecsdirect.com

