



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

# Cat 5e Data Bus Cable

**P/N 962408**



#### 4 Twisted Pairs:

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

**Insulation:** High temperature flouropolymer

#### Color Code:

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

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

**Pair 3:** Green, White/Green

**Pair 4:** Brown, White/Brown

#### Overall Cable:

**Shield 1:** Aluminum/Polyester tape

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

**Jacket:** White high temperature flouropolymer  
(laser markable)

#### Physical Characteristics

**Outer Diameter:** 0.25 inches nominal

**Bend Radius:** 1.9 inches nominal

**Weight:** 4.3 lbs/100 feet nominal

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

**Skydrol Resistant:** Yes

#### Electrical Characteristics (each pair)

**Impedance:** 100 Ohms nominal

**Capacitance:** 13 pF/feet nominal

**Velocity of Propogation:** 62% nominal

**Attenuation:** 10 MHz 2.1 dB/100 feet  
(nominal) 100 MHz 6.9 dB/100 feet

#### Applications

Supports 100BASE-T and 1000BASE-T data rates

#### **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).
- Cable meets TIA/EIA-568-B.2 Cat 5e Patch Cable.
- 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

5300 W. Franklin Drive  
Franklin, Wisconsin 53132 USA

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

