



Providing complete avionics installation provisions
and support for the Aviation 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:** 9/21/09

5300 W. Franklin Drive
Franklin, Wisconsin 53132 USA

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

