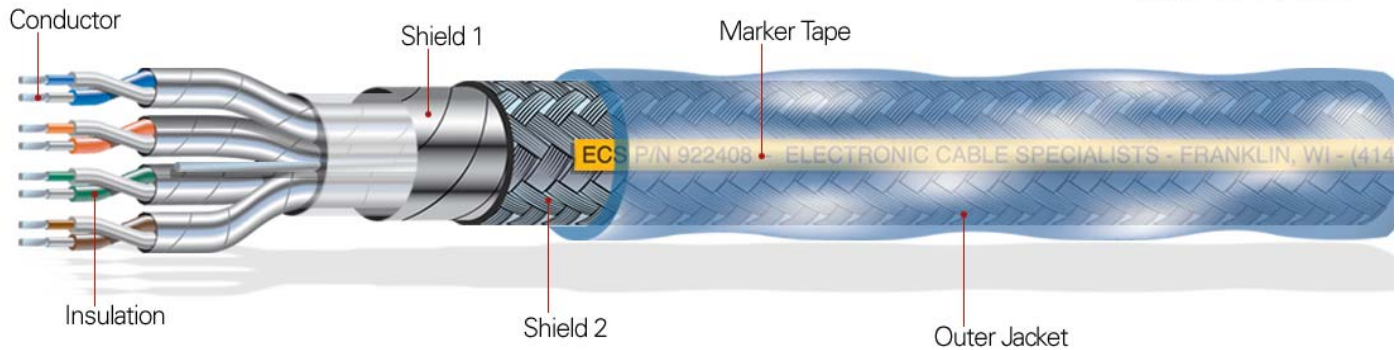




Providing complete avionics installation provisions
and support for the Aviation industry since 1984.

Cat 5e Data Bus Cable

P/N 922408



8 Conductors

4 Shielded 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

Pair 3: White/Green, Green/White

Pair 4: White/Brown, Brown/White

Overall Cable:

Drain Wire: 24 AWG silver plated copper alloy

Binder: Polyester tape

Shield 1: Aluminum/Polyester foil

Shield 2: 38 AWG silver plated copper braid

Jacket: Blue high temperature fluoropolymer
(laser markable)

Physical Characteristics

Outer Diameter: 0.299 inches nominal

Bend Radius: 1.5 inches nominal

Weight: 6.0 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 8.05 dB/100 feet

Applications

Cat 5e, LAN

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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