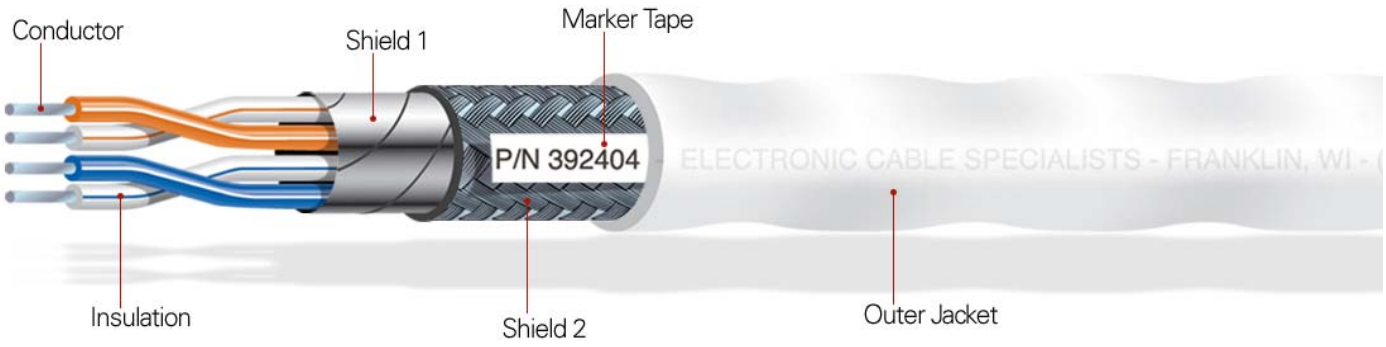
Providing complete avionics installation provisions and support for the Aviation industry since 1984.

ARINC 646 Cat 5 Data Bus Cable

P/N 392404



4 Conductors
2 Twisted Pairs:
Conductors: 24 AWG tin plated copper
Insulation: High temperature flouropolymer
Color Code:
Pair 1: White/Blue, Blue/White
Pair 2: White/Orange, Orange/White

Overall Cable:
Shield 1: Aluminum/Mylar foil
Shield 2: 38 AWG tin plated copper braid
Jacket: White high temperature flouropolymer (laser markable)

Physical Characteristics
Outer Diameter: 0.234 inches nominal
Bend Radius: 1.2 inches nominal
Weight: 3.0 lbs/100 feet nominal
Temperature Range: -55° to +200° C
Skydrol Resistant: Yes

Electrical Characteristics (each pair)
Impedance: 100 Ohms nominal
Capacitance: 12.4 pF/ft maximum
Velocity of Propogation: 78% nominal
Skew: 12.8 ns/100 ft BUS
Attenuation: 10 MHz 2.1 dB/100 ft nominal

Applications
ARINC 646, Cat 5, LAN, 10 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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