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ARINC 646 Cat 5 Data Bus Cable

P/N 392404



4 Conductors

2 Twisted Pairs:

Conductors: 24 AWG tin plated copper

Insulation: High temperature fluoropolymer

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 fluoropolymer
(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 Propagation: 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.

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