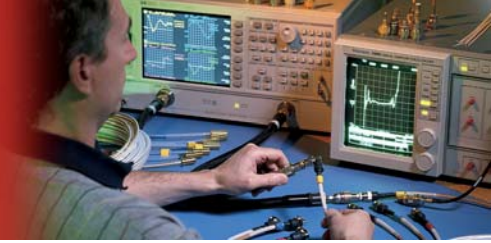


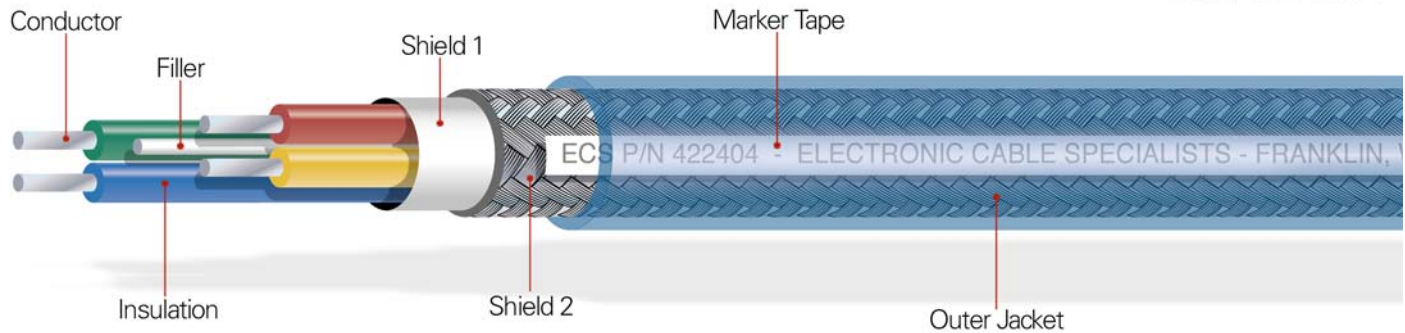


"Providing complete avionics installation provisions and support for the Aerospace industry since 1984."



ARINC 664 Star Quad Data Bus Cable

P/N 422404



4 Conductors

2 Parallel Pairs:

Conductors: 24 AWG silver plated copper alloy

Insulation: High temperature fluoropolymer

Color Code:

Pair 1: Red, Blue

Pair 2: Yellow, Green

Overall Cable:

Filler: High temperature fluoropolymer rods

Shield 1: Aluminum/Polyester tape

Shield 2: 38 AWG silver plated copper braid

Jacket: Blue high temperature fluoropolymer (laser markable)

Physical Characteristics

Outer Diameter: 0.155 inches nominal

Bend Radius: 1.0 inches nominal

Weight: 2.3 lbs/100 feet nominal

Temperature Range: -55° to +200° C

Skydrol Resistant: Yes

Electrical Characteristics (each pair)

Impedance: 100 Ohms nominal

Capacitance: 15 pF/ft maximum

Velocity of Propagation: 78% nominal

Conductor Resistance: 96 Ohms/km maximum

Attenuation: 10 MHz 7.30 dB/100 meters (nominal)
100 MHz 25.5 dB/100 meters

Applications

ARINC 664 Star Quad, Cat 5e, LAN, 10/100 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:** 11/15/07 Rev A

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