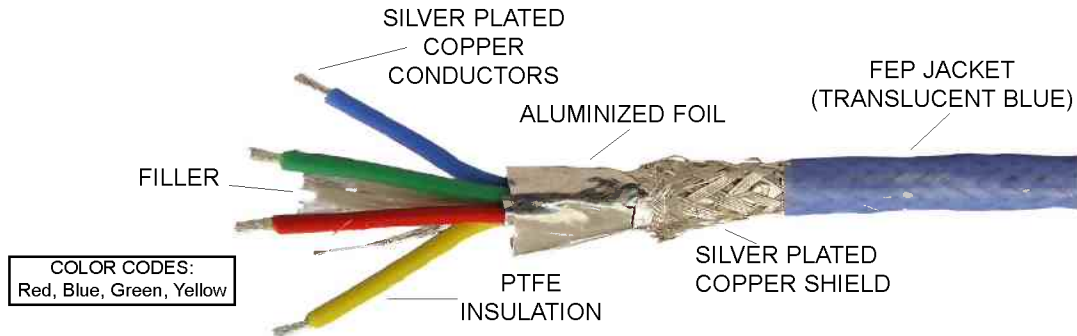


100 Ω STAR QUAD HIGH SPEED DATA CABLE



This cable has been specially designed by PIC for airborne high-speed data applications as defined by ARINC Specification 664.

Data transmission aboard aircraft faces more severe environmental and EMI situations than conventional LAN systems in commercial buildings, hence special measures have been taken to preserve technical performance.

Each conductor is surrounded by a fluoropolymer dielectric insulation and is designed to be terminated in ARINC 600 quad-type connectors.

An FEP jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

E50424 is Skydrol resistant, RoHS compliant and passes the FAA flammability requirements of FAR Part 23 and 25, Appendix F. Test results are available upon request.

PHYSICAL DATA

| | |
|----------------------|-------------------------|
| Conductors | 24 AWG Stranded SPC |
| Shield Coverage | 100% (Foil) 85% (Braid) |
| Outer Diameter (in.) | 0.175 |
| Temperature | -55° to +200°C |
| Weight (lbs / 100ft) | 2.62 |

ELECTRICAL DATA

| | |
|--|-------|
| Impedance (ohms) | 100 |
| Capacitance Between Conductors (pF/ft) | 15.6 |
| Velocity of Propagation (%) | 69.5 |
| Attenuation (dB/100 ft) Max. | |
| @ 10 MHz | 4.0 |
| @ 100 MHz | 11.5 |
| Dielectric Voltage Rating (KV RMS) | 1.5 |
| Structural Return Loss (SRL) (dB) Min. | |
| @ 10 MHz | -23 |
| @ 100 MHz | -16 |
| Near-End Cross-Talk (NEXT) (dB) Min. | |
| @ 10 MHz | -50.3 |
| @ 100 MHz | -35.3 |
| DC Resistance (Ohms/100 ft.) Max | 2.42 |

All values nominal unless otherwise noted.



**MOST CABLES ARE IN STOCK AND AVAILABLE FOR QUICK DELIVERY
PLEASE CONTACT CUSTOMER SERVICE FOR DETAILS @ 262-246-0500**

