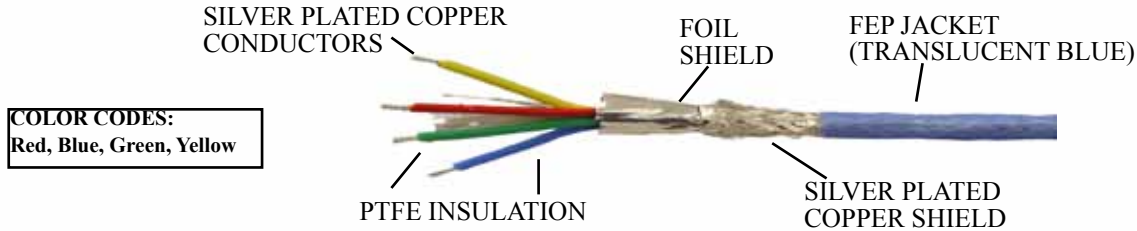




100 Ω STAR QUAD HIGH SPEED DATA CABLE



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		ELECTRICAL DATA	
Conductors	24 AWG Stranded SPC	Impedance (ohms)	100
Shield Coverage	100% (Foil) 85% (Braid)	Capacitance Between Conductors (pF/ft)	13.0
Outer Diameter (in.)	0.170	Velocity of Propagation (%)	69.5
Temperature	-55° to +200°C	Attenuation (dB/100 ft) Max.	
Weight (lbs / 100ft)	2.6	@ 10 MHz	4.0
		@ 100 MHz	11.5
		Dielectric Voltage Rating (KV RMS)	1.5
		Structural Return Loss (SRL) (dB) Min.	
		@ 10 MHz	-25.0
		@ 100 MHz	-20.1
		Near-End Cross-Talk (NEXT) (dB) Min.	
		@ 10 MHz	-50.3
		@ 100 MHz	-35.3
		DC Resistance (Ohms/100 ft. Maximum)	2.42

All values nominal unless otherwise noted.

Connectors

RJ45 Plug	PIC P/N 190007
RJ45 ISDN Plug	PIC P/N 190015
RJ45 Crimp Tool	PIC P/N 110340 or 110274

**Most Cables are in Stock and Available for Quick Delivery
Please Contact Customer Service for Details @ 262-246-0500**

