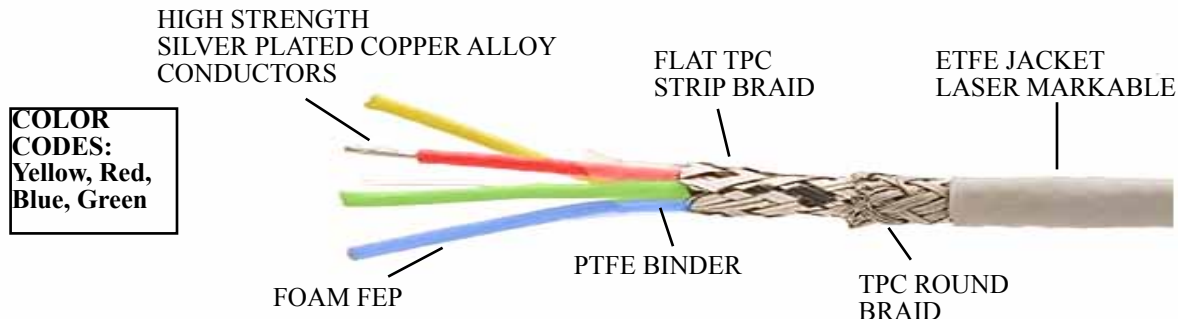


## 100BASE-T STAR QUAD ETHERNET CABLE



This light weight, low loss cable has been specially designed by PIC for airborne 100BASE-T data applications as defined by ARINC Specification 664.

The conductor insulation is foamed FEP making it small, light and low loss. Data transmission aboard aircraft faces more severe environmental and EMI situations than conventional LAN systems in commercial buildings, hence the double shielding to preserve technical performance. The cable is designed to be terminated with ARINC 600 and D38999 quad-type connectors. It is compatible with any connector designed for Tensolite cable part number NF26Q100.

An ETFE jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation and is laser markable.

E51426 is Skydrol resistant and meets the FAA flammability requirements of 14 CFR Part FAR 25.869(a)(4) Amdt 25-113 Appendix F Part I (a)(3).

PHYSICAL DATA		ELECTRICAL DATA	
Conductors	26 AWG Stranded SPCA	Impedance (ohms)	100
Shield Coverage	90% (Flat) 85% (Rd. Braid)	Capacitance Between Conductors (pF/ft)	13.0
Outer Diameter (in.)	0.137	Velocity of Propagation (%)	80
Temperature	-55° to +150°C	Attenuation (dB/100ft.) Max	3.2
Min. Bend Radius (in.)	0.68	@ 10 MHz	11.0
Weight (lbs / 100ft)	1.8	@ 100 MHz	1.5
		Dielectric Voltage Rating (KV RMS)	23.0
		Structural Return Loss (SRL) (dB) Min	16.0
		@ 10 MHz	
		@ 100 MHz	
		Near-End Cross-Talk (NEXT) (dB) Min.	50.3
		@ 10 MHz	35.3
		@ 100 MHz	
		DC Resistance (Ohms/100 ft.) Max	4.48

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**

