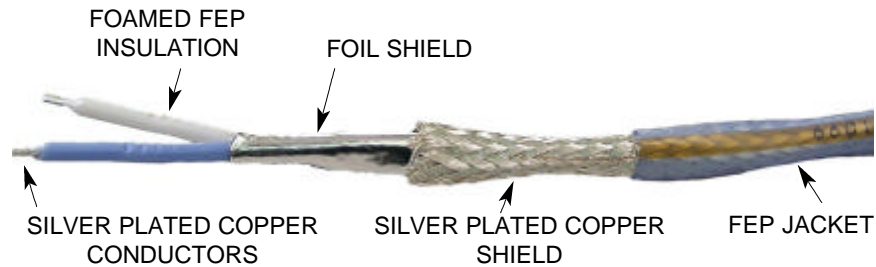


### 10/100BASE-T (2-Conductor) CABLE



This cable has been specially designed by PIC for airborne 10- and 100Base-T Local Area Network applications as defined by ARINC Specification 664. The twisted-pair construction effectively reduces inductive interference while 100% foil and 90% braided shielding serve to further protect against EMI. The cable is also approved by Honeywell for airborne NTSC/PAL/RS170 camera video where a 100-ohm balanced line is required.

Each conductor is surrounded by a foamed FEP dielectric having a high velocity of propagation which permits smaller overall diameter and weight while retaining performance and required operating parameters. Silver-plated copper conductors and shielding assure uniform conductivity with excellent solderability. An FEP jacket protects the cable against abrasion and environmental effects while maintaining flexibility for ease of installation.

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.

E10224 exceeds ANSI/TIA-568A Category 5e requirements. It is Skydrol resistant and meets the FAA flammability requirements of FAR 23.1359(d), FAR 25.853(a) and FAR 25.869(a)(4).

PHYSICAL DATA		ELECTRICAL DATA	
Conductors	24 AWG (7/32) SPC	Impedance (ohms)	100
Insulation	Foam FEP	Capacitance (pF/ft) (Between Conductors)	13.0
Temperature	-55° to +200°C	Velocity of Propagation	80%
Shield Coverage	100% (Foil), 90% (Braid)	Attenuation (dB/100 ft) @ 10 MHz	1.9
Outer Diameter, Nominal	0.171 in.	@ 100 MHz	6.7
Min. Bend Radius	.85 in.	Dielectric Withstanding Voltage	1.5 KV RMS
Weight per 100 ft.	2.1 lbs		

PIC P/N E10224

*A companion shielded, twisted QUAD (4-conductor) LAN cable is also available as PIC P/N E10424*



**AVAILABLE IN STOCK FOR IMMEDIATE SHIPMENT**

