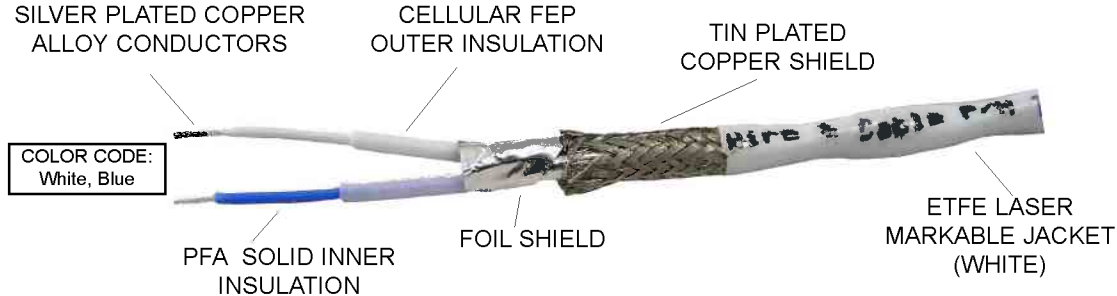


### 125Ω TTP AND ASCB\* DATA BUS CABLE



This cable is a 125Ω data bus cable approved and recommended by the Honeywell Commercial Flight Systems Group. It is an approved cable for the ASCB Data bus for the Honeywell EPIC/APEX System.

T12243 is a primary data interface for the Honeywell/Sperry SPZ-8000 DAFCS which includes EFIS, AHRS and DADC. It is also used as the communication bus for the Honeywell/Sperry Primus II Radio System.

This cable is designed to simplify the termination process, pin extraction and to improve the overall quality of the installation.

Designing a cable of specified impedance requires that conductor insulation be extruded to a defined thickness, which is related to dielectric characteristics of the insulation material. For this type of 125Ω cable, the diameter of the insulation is typically 1-1/2 times the diameter of the contact crimped to the wire. This large insulation diameter interferes with extraction procedures.

To solve this problem, PIC has employed a dual-layer insulation — an outer foamed FEP layer which can be removed so that the inner solid PFA accommodates the connector cavity for easy extraction of the contact.

T12243 cable 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.

\*Time Trigger Protocol and Avionic Standard Communication Bus

Honeywell P/N 025-05125-0001

PHYSICAL DATA		ELECTRICAL DATA	
Conductors	24 AWG Stranded SPC	Impedance (ohms)	125
Dual Layer Insulation		Capacitance (pF/ft)	11
Inner Layer OD (in.)	0.044	Velocity of Propagation (%)	75
Outer Layer OD (in.)	0.075	Dielectric Voltage Rating (KV RMS)	1.5
Shield	90% Min Coverage	DC Resistance (Ohm/100 ft.)	2.75
Outer Diameter (in.)	0.195		
Temperature	-55° to +150°C		
Weight (lbs / 100ft)	2.5		

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**

