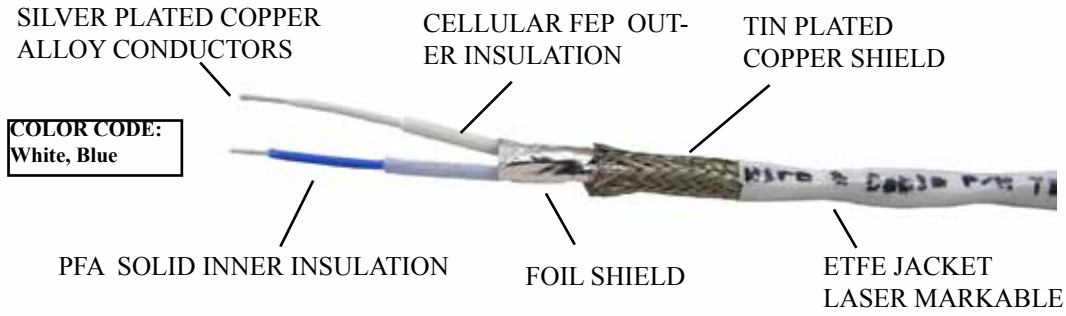
PIC WIRE & CABLE
A Division of The Angelus Corporation

PRODUCT BULLETIN
PIC P/N T12243

QUALITY TECHNOLOGY SERVICE

125 Ω TTP AND ASCB* DATA BUS CABLE



This cable is a 125**Ω** 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 125**Ω** 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**

PHYSICAL DATA	
Conductors	24 AWG Stranded SPC A High Strength Copper Alloy
Dual Layer Insulation	
Inner Layer OD (in.)	0.044
Outer Layer OD (in.)	0.075
Shield Coverage	100%(Foil) 90% (Braid)
Outer Diameter (in.)	0.195
Temperature	-55° to +150°C
Weight (lbs / 100ft)	2.5

ELECTRICAL DATA	
Impedance (ohms)	125
Capacitance (pF/ft)	12
Velocity of Propagation (%)	75
Dielectric Voltage Rating (KV RMS)	1.5
DC Resistance (Ohm/100 ft.)	2.75

All values nominal unless otherwise noted.

Honeywell P/N 025-05125-0001

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

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