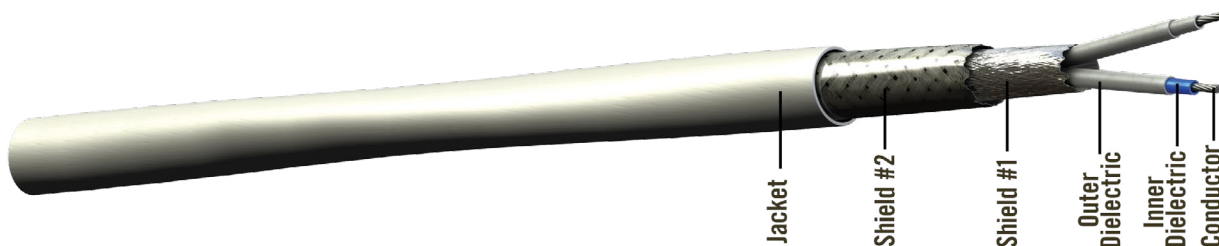


# T12243



## CABLE CONSTRUCTION

**Conductor:** Silver-Plated High Strength Copper Alloy

**Dielectric:** Inner Layer: PFA  
Outer Layer: FEP

**Shield #1:** Aluminum/Polyester Foil

**Shield #2:** Tin-Plated Copper Braid

**Jacket:** ETFE, White (Laser Markable)

## COLOR CODES

**Pair #1:** White w/White Inner, White w/Blue Inner

T12243 is a 125 ohm DataBus cable that is designed with a dual-layer insulation reducing the size of the cable. The outer foamed fluoropolymer layer which can be removed so that the inner solid PFA accommodates the connector cavity for easy extraction of the contact.

T12243 DataBus cable approved and recommended by the Honeywell Commercial Flight Systems Group. It is a primary data interface for the Honeywell/Sperry SPZ-8000 DAFCS (including EFIS, AHRS and DADC) and is also used for CAN Bus communications for the Honeywell/ Sperry Primus II Radio System. T12243 is also an approved cable for the ASCB DataBus and Servo CAN Bus for the Primus EPIC/APEX Integrated Avionics system.

## PHYSICAL DATA

<b>Conductor:</b>	24 AWG Stranded SPHSCA
<b>Dual Layer Insulation:</b>	
<b>Inner Layer OD:</b> in (mm)	0.044 (1.118)
<b>Outer Layer OD:</b> in (mm)	0.075 (1.905)
<b>Shield Coverage:</b>	100% (Foil), 90% (Min)
<b>Temperature Range:</b>	-55° to +150°C
<b>Outer Diameter:</b> in (mm)	0.195 (4.95)
<b>Minimum Bend Radius:</b> in (mm)	1.0 (25.4)
<b>Weight:</b> lbs/100 ft (kg/100 m)	2.5 (3.7)

## ENVIRONMENTAL DATA

**Skydrol Resistant:** SAE AS4373E, Method 601  
**RoHS Compliant:** RoHS Directive 2002/95/EC  
**Flame / Smoke Requirements:** FAR Part 25.869 (a) App. F, Part 1, (a)(3)  
**Berry Specialty Metals Compliance:** Complies with DFARS 252.225-7014, Alt 1

## ELECTRICAL DATA

<b>Impedance:</b>	125 ohms
<b>Capacitance:</b> pF/ft (m)	11.0 (36.1)
<b>Velocity of Propagation:</b>	75%
<b>DC Resistance:</b> ohms/1000 ft (m)	27.5 (90.2)
<b>Dielectric Voltage Rating:</b> (kV (rms))	1.5

## ATTENUATION DATA

Frequency	Max dB/100 ft (m)
@10 MHz	2.0 (6.6)
@100 MHz	6.3 (20.7)

*All values nominal, unless otherwise noted*

**T12243 125 OHM DATABUS CABLE**

