

Data bus cables are an essential part of your aircraft or military vehicle's network system. The efficient transmission of data between various electronic components is what makes the whole system work, and our lightweight data bus cables are designed to deliver the performance you need for your operating system. Our impedance characteristics help ensure low signal loss and superior electromagnetic interference (EMI) shielding, so you can be confident that your system will keep functioning reliably at all times. PIC offers a variety of specialty aerospace data cables for avionics databus and CANbus applications, including ARINC 429 (70 ohm), MIL-STD-1553 (77 ohm), ASCB (125 ohm) and fiber channel.

## APPLICATIONS:

- Avionics Network
- Cable Management Systems
- Digital Video Systems
- Serial Busses
- Controller Area Networks

## PHYSICAL & ELECTRICAL DATA

*All values nominal, unless otherwise noted*

PART #	CABLE TYPE	IMPEDANCE	DATA CONDUCTOR	JACKET	WEIGHT LBS/100 FT (KG/100 M)	O.D. IN (MM)	TEMP. RANGE
D620224	ARINC 429	70	24 AWG Stranded TPC	ETFE, Clear	1.70 (2.50)	0.136 (3.45)	-55/+150°C
D620222	ARINC 429	70	22 AWG Stranded TPC	ETFE, White (Laser Markable)	2.00 (3.00)	0.16 (4.06)	-55/+150°C
D5102QX	Quadrax	78	22 AWG Stranded SPC	FEP, White (Laser Markable)	5.80 (8.60)	0.23 (5.84)	-55/+200°C
G771553	1553B Data Bus	77	24 AWG Stranded SPHSCA	ETFE, White (Laser Markable)	1.70 (2.50)	0.125 (3.175)	-55/+200°C
D10226-0	ASCB Canbus	120	26 AWG Stranded SPHSCA	ETFE, White (Laser Markable)	1.45 (2.20)	0.145 (3.68)	-55/+200°C
T69654	ASCB Canbus	125	24 AWG Stranded SPHSCA	FEP, White	2.20 (3.30)	0.187 (4.75)	-55/+150°C
T12243	ASCB Canbus	125	24 AWG Stranded SPHSCA	ETFE, White (Laser Markable)	2.50 (3.70)	0.195 (4.95)	-55/+150°C
F20424	Fiber Channel	150	24 AWG Stranded SPHSCA	FEP, Blue	3.65 (5.40)	0.242 (6.15)	-55/+150°C

**Materials Key:** TPC – Tin-Plated Copper SPC – Silver-Plated Copper SPCA – Silver-Plated Copper Alloy SPHSCA – Silver-Plated High Strength Copper Alloy

DATABUS CABLES