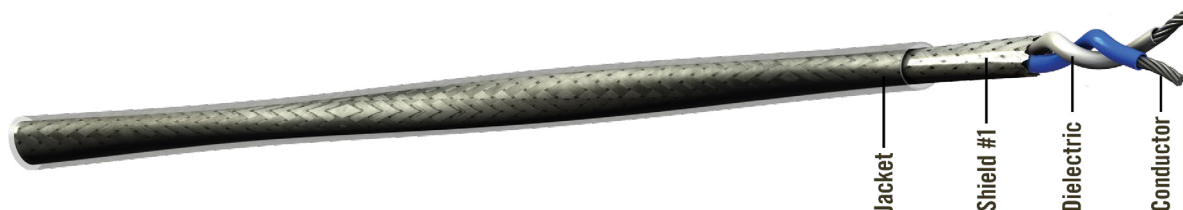


## D620224



### CABLE CONSTRUCTION

**Conductor:** Tin-Plated Copper  
**Dielectric:** ETFE  
**Shield #1:** Tin-Plated Copper Braid  
**Jacket:** ETFE, Clear

### COLOR CODES

**Pair #1:** White, Light Blue

D620224 is a 70 Ohm controlled impedance cable specially designed for ARINC 429 DataBus systems.

Honeywell has approved D620224 for handling high-speed digital information, including:

- UDI port inputs/outputs between DATA NAV processors, Lightning Sensor System processors and PRIMUS weather radar indicators.
- Picture bus signals between PRIMUS weather radar receiver/transmitters and EFIS symbol generators. (Honeywell EPIC/APEX Integrated Avionics Systems)
- AlliedSignal approved PIC cable D620224 for video and deflection cabling between the symbol generators and display units for the EFS 40/50.

### PHYSICAL DATA

<b>Conductor:</b>	24 AWG Stranded TPC
<b>Shield Coverage:</b>	95% Min.
<b>Temperature Range:</b>	-55° to +150°C
<b>Outer Diameter:</b> in (mm)	0.136 (3.45)
<b>Minimum Bend Radius:</b> in (mm)	0.68 (17.27)
<b>Weight:</b> lbs/100 ft (kg/100 m)	1.7 (2.5)

### ELECTRICAL DATA

<b>Impedance:</b>	70 ohms
<b>Capacitance:</b> pF/ft (m)	30 (98.4)
<b>Velocity of Propagation:</b>	70 %
<b>DC Resistance:</b> ohms/1000 ft (m)	26.2 (86)
<b>Dielectric Voltage Rating:</b> (kV (rms))	1.5

### 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

### ATTENUATION DATA

Frequency	Nom / Max dB/100 ft	Nom / Max (dB/100 ft m)
@1 MHz	1.0/1.4	(3.3/4.6)

*All values nominal, unless otherwise noted*

D620224 DATABUS CABLE

