

PIC D620224

70 OHM CONTROLLED IMPEDANCE CABLE

PRODUCT BULLETIN

CABLE CONSTRUCTION

1. ETFE Insulation (Clear)
2. Tin-Plated Copper Shield
3. ETFE Insulation
4. Tin-Plated Copper Conductor

COLOR CODES

White, Blue

This special cable is designed for use in ARINC 429 data bus systems, in addition to other approved applications listed below:

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.

D620224 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.



PHYSICAL DATA

• Conductors	24 AWG Stranded TC
• Shield Coverage	95% Min.
• Operating Temperature	-55° to +150°C
• Outer Diameter: in (mm)	0.14 (3.45)
• Minimum Bend Radius (in.)	0.68 (17.27)
• Weight: lbs/100 ft (kg/100 m)	1.7 (2.5)

ELECTRICAL DATA

• Impedance: ohms	70
• Capacitance: pF/ft (m)	30.0 (98.4)
• Velocity of Propagation: %	70.0
• Dielectric Voltage Rating (kV RMS)	1.5
• DC Resistance: ohms/1000 ft (m) Max	25.2 (82.7)
• Attenuation: dB/100 ft (m) @ 1 MHz Max	1.4 (4.6)

All values nominal unless otherwise noted

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