

PRODUCT BULLETIN

PIC D620224

70 OHM CONTROLLED IMPEDANCE CABLE

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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