

PIC D5102QX

PRODUCT BULLETIN 78 OHM HIGH TEMPERATURE QUADRAXIAL CABLE

CABLE CONSTRUCTION

1. FEP Inner & Outer Jackets (Translucent White)
2. Silver-Plated Copper Shields
3. FEP Insulation
4. PTFE Fillers
5. Silver-Plated Copper Conductors

COLOR CODES

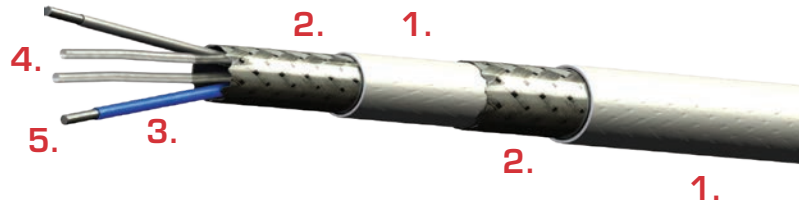
Clear, Blue

This is the approved Quadrax Cable for Honeywell Series 81, 82, 84, and 86 Radars, used as the ARINC bus connection from the radar sensor to radar display and symbol generators, and to interface with EFIS 10 and EFS 40 and 50 systems.

Because D5102QX employs isolated shields, it is ideal for use in radar and other applications where susceptibility to noise is of concern and EMI suppression is required.

Conductor insulation and the inner and outer jackets are FEP Teflon®. Fillers are provided to aid in controlling uniform impedance. The double shields are silver-plated copper with 95% minimum coverage.

D5102QX is Skydrol resistant and meets the specifications of MIL-C-27500, is RoHS compliant and passes the FAA flammability requirements of FAR Part 23 and 25, Appendix F. Test results are available upon request.



PHYSICAL DATA

- Conductor 22 AWG Stranded SPC
- Operating Temperature -55° to +200°C
- Outer Diameter: in (mm) 0.25 (6.22)
- Minimum Bend Radius (in.) 1.25 (31.75)
- Weight: lbs/100 ft (kg/100 m) 6.0 (8.9)

ELECTRICAL DATA

- Impedance: ohms 78
- Capacitance: pF/ft (m) 18.6 (61.0)
- Velocity of Propagation: % 70.0
- Dielectric Voltage Rating (kV RMS) 1.5
- DC Resistance: ohms/1000 ft (m) Max 15.2 (49.9)
- Attenuation: dB/100 ft (m) @ 10 MHz Max 3.0 (9.8)

All values nominal unless otherwise noted

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King P/N 024-00064-0000 Rev. 3*