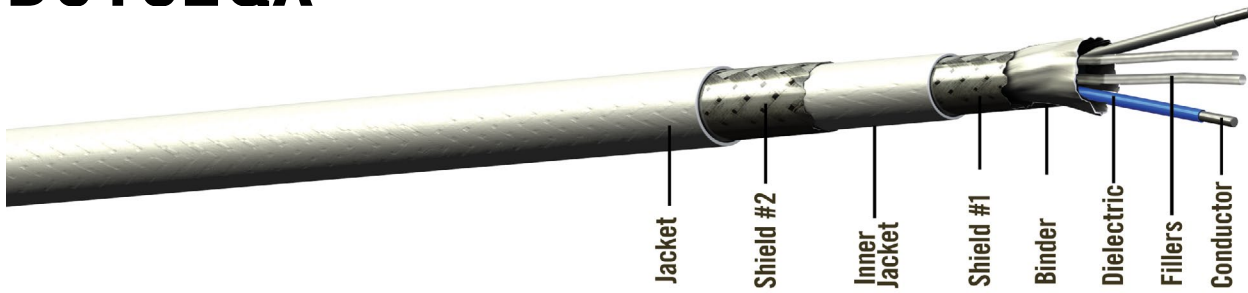


D5102QX



CABLE CONSTRUCTION

Conductor: Silver-Plated Copper
Dielectric: FEP
Fillers: Fluoropolymer
Binder: Polyester Tape

Shield #1: Silver-Plated Copper Braid
Inner Jacket: FEP, White
Shield #2: Silver-Plated Copper Braid
Outer Jacket: FEP, White

COLOR CODES

Pair #1: Blue, Natural

The D5102QX is a 78 ohm high temperature quadrax cable. It is designed with isolated shields making it ideal for use in radar and other applications where susceptibility to noise is of concern and EMI suppression is required. D5102QX's conductor insulation and inner/outer jackets are FEP. Fillers are provided to aid in controlling uniform impedance while the double shields are silver-plated copper providing 95% minimum coverage.

PHYSICAL DATA

Conductor: 22 AWG Stranded SPC
Shield Coverage: 95% min.
Temperature Range: -55° to +200°C
Outer Diameter: in (mm) 0.23 (5.84)
Minimum Bend Radius: in (mm) 1.15 (29.21)
Weight: lbs/100 ft (kg/100 m) 5.8 (8.6)

ELECTRICAL DATA

Impedance: 78 ohms
Capacitance: pF/ft (m) 18.6 (61)
Velocity of Propagation: 70%
DC Resistance: ohms/1000 ft (m) 15.2 (49.9)
Dielectric Voltage Rating: (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 **Max**
@10 MHz **dB/100 ft (m)**
 3.0 (9.8)

All values nominal, unless otherwise noted

D5102QX 78 OHM QUADRAX CABLE

