



Cable Specification sheet, INRAD brand RG8X coaxial cable

Part Number: IN C RG8X

Description: 50 ohm coaxial cable, Black PVC IIA Jacket

Center Conductor: 16 AWG stranded bare copper, .058 OD nominal

Dielectric: foamed polyethylene, .155" nominal OD

Shield: Copper braid, untinned, 95% coverage.

Jacket: PVC type IIA, non-contaminating, black, .242" OD nominal

Temperature Rating: -20 C to 80 C

Minimum Bend Radius: 2.4"

Cable Weight: .56 oz/ft

Max. Pulling Tension: 75 lbs.

Impedance: 50 ohms nominal

Capacitance: 24.8 pF/ft nominal

Velocity Factor: 82%

Maximum Voltage Capacity: 300 Vrms

| Attenuation: | <u>MHz</u> | <u>dB/100 ft.</u> |
|---------------------|-------------------|--------------------------|
| | 10 | 1.1 |
| | 50 | 2.6 |
| | 100 | 3.7 |
| | 200 | 5.4 |
| | 400 | 8.0 |
| | 700 | 11.1 |
| | 1000 | 13.3 |

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