

Features

- Coaxial Air-Core design for low-loss RF performance
- Plenum-rated CMP jacket for in-building use
- Listed to UL444; Canadian CSA C.22.2/FT6
- *NFPA 72 section 12.4.2 Pathway Survivability Level 1
- Suitable for use in Public Safety DAS installations
- Lower VSWR, perfect shielding effectiveness, and extraordinary PIM performance lead to smaller energy loss and interference.



Description

Copper-Shielded Coaxial Air-Core Cable is designed for use in Public Safety in-building DAS systems. It features an ArmorFLEX - Copper-Shield for increased pathway survivability. The cable conforms to NFPA 72 section 12.4.2. Lower VSWR, perfect shielding effectiveness, and extraordinary PIM performance lead to smaller energy loss and interference.

Standard conditions for published attenuation: VSWR 1.0, ambient temperature 20°C (68°F). Average power ratings are based on ambient temperature 40°C (104°F), inner conductor temperature 100°C (212°F), and no solar loading.

Technical Specifications

Physical Dimensions	<ul style="list-style-type: none"> • Inner conductor 4.80 ± 0.05 • Insulation 11.80 ± 0.05 • Outer conductor 13.80 ± 0.05 • Jacket 16.00 ± 0.05 • Armor O.D. 24.0 ± 0.5
Cable Materials	<ul style="list-style-type: none"> • Center Conductor Copper-Clad Aluminum • Outer Conductor Corrugated Aluminum
Jacket Color	Red
Impedance, Ohms	50 ± 2
Nominal Capacitance, pF/m	75.5
Nominal Inductance, μ H/m	0.19
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance	>5000 M Ω km
Cut-off frequency, MHz	8800
Screening attenuation, dB	>120
Peak power rating, kW	40
Weight (Cable & Armor)	0.164 kg/m
Minimum Bending Radius	304.8 mm
Tensile Strength, N	112
Maximum Clamp Spacing	1.8 m

Ordering Information

Model	Description	Stock No.
COAX-MR-1/2"	Coaxial Cable in Metal Raceway (PRICED PER FT.) / Plenum Rated / Low Loss / Air Dielectric / 50 Ohm	3996150