

## Features

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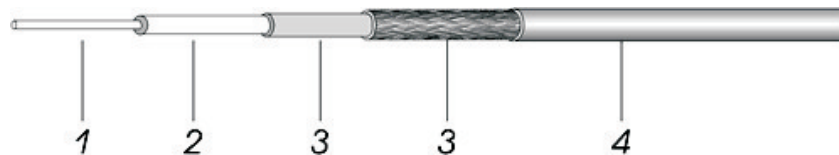
- \* High performance flexible low loss coaxial cable
- \* UV resistant polyethylene jacket
- \* Lightweight
- \* Excellent low loss characteristics
- \* Equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems®, Belden® and Andrew®
- \* Ideal for shorter cable runs and "jumper" cables

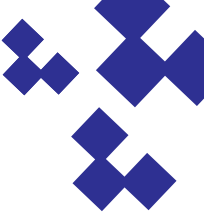
## Description

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Altelicon™ CA-240 coaxial cable features excellent low loss characteristics and a durable UV resistant protected black polyethylene jacket. This flexible coax cable is ideal for shorter cable runs and "jumper" cables and is available in 1000 foot reels or by-the-foot. The Altelicon CA-240 features equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems®, Belden and Andrew®.

The CA-240 low loss cable is a high performance alternative to RG8/X, CommScope® WBC-240, Times Microwave Systems® LMR-240, Belden® 9258 / 7807 and Andrew® CNT-240 coax cable.





## Specifications

### Construction Specification

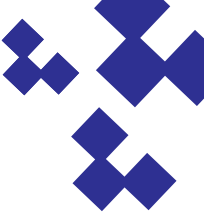
	Material	Diameter (mm / in)
1. Inner Conductor	Solid Copper	2.74 / 0.108
2. Dielectric	Physical Foam Polyethylene	7.24 / 0.285
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid (90% coverage)	8.13 / 0.320
4. Jacket	Black Polyethylene	10.29 / 0.405

### Electrical Characteristics

Capacitance (pF/m):	77.1
Impedance (ohm):	50
Velocity (%):	85
Inner Conductor DC Resistance ( $\Omega$ /km):	2.92
Outer Conductor DC Resistance ( $\Omega$ /km):	5.41
Shielding Effectiveness (dB):	> 90
Cutoff Frequency:	16.2 GHz
Peak Power:	16KW

### Mechanical and Environmental Characteristics

Min. Bend Radius (mm / in):	51 / 2.0
Operating Temp. (°C):	-40 to + 80
Tensile Strength (kg / lb):	72.6 / 160
Cable Weight (kg/m - lb/ft):	0.099kg/m 0.068lb/ft
RoHS Compliant:	Yes



**ANDES - CA-400 Series  
Low-Loss Coax Cable**

**Specifications**

**Attenuation and Avg. Power (20°C)**

Frequency (Mhz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	2.2 / 0.7	3.30
50	2.9 / 0.9	2.60
150	5.0 / 1.5	1.50
220	6.10 / 1.86	1.20
450	8.9 / 2.7	0.83
900	12.8 / 3.9	0.58
1500	16.8 / 5.13	0.44
1800	18.6 / 5.67	0.40
2000	19.6 / 6.0	0.37
2500	22.2 / 6.8	0.33
5800	35.5 / 10.8	0.21

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