



## Features

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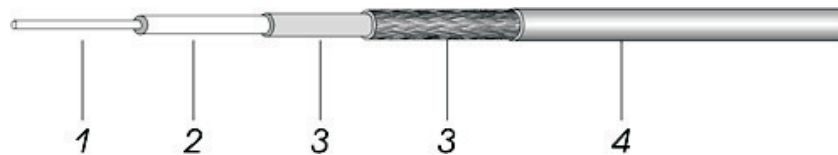
- \* High performance flexible low loss coaxial cable
- \* UV resistant polyethylene jacket
- \* Lightweight
- \* Excellent low loss characteristics
- \* Equal performance and mechanical characteristics to cables from CommScope®, Times Microwave Systems®, Belden® and Andrew
- \* Ideal for shorter cable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

## Description

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ANDEES - 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	1.42 / 0.056
2. Dielectric	Physical Foam Polyethylene	3.81 / 0.15
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid (90% coverage)	4.52 / 0.178
4. Jacket	Black Polyethylene	6.10 / 0.240

### Electrical Characteristics

Capacitance (pF/m):	79.4
Impedance (ohm):	50
Velocity (%):	84
Inner Conductor DC Resistance ( $\Omega$ /km):	10.50
Outer Conductor DC Resistance ( $\Omega$ /km):	12.76
Shielding Effectiveness (dB):	> 90
Cutoff Frequency:	31 Ghz
Peak Power:	5.6KW

### Mechanical and Environmental Characteristics

Min. Bend Radius (mm / in):	25 / 1.0
Operating Temp. (°C):	-40 to + 80
Tensile Strength (kg / lb):	36.3 / 80
Cable Weight (kg/m - lb/ft):	0.049kg/m 0.034lb/ft
RoHS Compliant:	Yes



## Specifications

### Attenuation and Avg. Power (20°C)

Frequency (Mhz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	4.4 / 1.3	1.30
50	5.7 / 1.7	1.00
150	9.9 / 3.0	0.58
220	12.0 / 3.7	0.48
450	17.3 / 5.3	0.33
900	24.8 / 7.6	0.23
1500	32.4 / 9.9	0.18
1800	35.6 / 10.9	0.16
2000	37.7 / 11.5	0.15
2500	42.4 / 12.9	0.13
3000	46.5 / 14.2	0.12
5800	66.8 / 20.4	

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