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## General Description:

14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II + aluminum braid shield (60% coverage), PVC jacket, aluminum interlocked armor.

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.626

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	7.112

### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duobond®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	AL - Aluminum	60.000

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Armor

Armor Type: Interlocked

Armor Material: Aluminum

### Overall Cable

Overall Nominal Diameter: 10.160 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 80.363 Kg/Km

Max. Recommended Pulling Tension: 1156.532 N

Min. Bend Radius/Minor Axis: 114.300 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC(UL) Specification: CATV, CM

CEC/C(UL) Specification: CM

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

21523A Coax - CATV Cable

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1685 UL Loading

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)  
75

### Nom. Inductance:

Inductance (µH/m)  
0.318

### Nominal Velocity of Propagation:

VP (%)  
83.000

### Nominal Delay:

Delay (ns/m)  
3.937

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
36.091

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
13.452

### Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
5.000	1.247
55.000	3.183
211.000	5.939
270.000	6.726
300.000	7.054
350.000	7.612
400.000	8.104
450.000	8.695
550.000	9.646
750.000	11.484
870.000	12.599
1000.000	13.879

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

### Max. Operating Voltage - Non-UL:

Voltage  
300 V RMS

### Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5.000	1000.000	20.000

## Notes (Overall)

Notes: Sweep tested 5 MHz to 1 GHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
21523A 0001000	1,000 FT	144.000 LB	NONE	C	1523A ALUM ARMOR

### Notes:

C = CRATE REEL PUT-UP.

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