# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



### 21523A Coax - CATV Cable

# Picture Not Available

For more Information please call

1-800-Belden1



### **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		Туре	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
Ov	erall Cable	

10.160 mm

# **Mechanical Characteristics (Overall)**

**Overall Nominal Diameter:** 

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

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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
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:



Nom. Inductance:



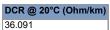
Nominal Velocity of Propagation:



**Nominal Delay:** 



Nom. Conductor DC Resistance:



**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

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#### 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	С	1523A ALUM ARMOR

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 0 Revision Date: 03-12-2008

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