

HC2632R Coax - Precision Video Cable for Analog and Digital



For more Information
please call

1-800-Belden1

**Description:**

20 AWG solid .032" bare copper conductor, gas-injected foam HDPE insulation, Duofoil® and a 95% tinned copper braid shield, PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	Solid	BC - Bare Copper	.032

Insulation**Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.145

Outer Shield**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	95

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

Overall Cable

Overall Nominal Diameter: 0.233 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 31 lbs/1000 ft.

Max. Recommended Pulling Tension: 47 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMR

CEC/C(UL) Specification: CMG

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

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

MII Order #39 (China RoHS): Yes

RG Type: 59/U

Flame Test

UL Flame Test: UL 1666 Vertical Shaft

CSA Flame Test: FT4

Suitability

Suitability - Indoor: Yes - All colors

Suitability - Outdoor: Yes - Black jacket only

Suitability - Aerial: Yes - Black jacket only when supported by a messenger wire

Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 1506A

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
75	+/- 1.5

Nom. Inductance:

Inductance (μH/ft)
0.107

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.3

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/ft)
1.22

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
10.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.8

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
3.6	.6
5	.63
7	.74
10	.9
67.5	2.05
71.5	2.1
88.5	2.2
100	2.3
135	2.7
143	2.8
180	3.1
270	3.8
360	4.4

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540	5.5
720	6.4
750	6.5
1000	7.6
1500	9.3
2000	10.9
2250	11.6
3000	13.4

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Structural Return Loss:

Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
5	850	23
851	3000	21

Notes (Overall)

Notes: Also available in bundled versions. See 7794A through 7798A. 100% Sweep tested. 5 MHz to 3 GHz. Impedance tested in accordance with ASTM D-4566 paragraph 43.2, option 2 using a 75 Ohm fixed bridge and termination. Return Loss tested in accordance with ASTM D-4566 paragraph 45.3, using a 75 Ohm fixed bridge and termination.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
HC2632R N3UU500	500 FT	17.500 LB	GREEN, MIL		#20 PE/GIFHDPE SH FRPVC
HC2632R 002U500	500 FT	17.500 LB	RED		#20 PE/GIFHDPE SH FRPVC
HC2632R 004U500	500 FT	17.500 LB	YELLOW		#20 PE/GIFHDPE SH FRPVC
HC2632R 006U500	500 FT	17.500 LB	BLUE, LIGHT		#20 PE/GIFHDPE SH FRPVC
HC2632R 009U500	500 FT	17.500 LB	WHITE		#20 PE/GIFHDPE SH FRPVC
HC2632R 010U500	500 FT	17.500 LB	BLACK		#20 PE/GIFHDPE SH FRPVC

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