



**Part Number: 8233WB**

Video Triax, RG11, #14 Solid, CPE Jacket, Waterblocked, CM

**Product Description**

14 AWG solid .064" bare copper conductor, gas-injected foam HDLPE insulation, bare copper braids (95% & 80% coverage), flooded, CPE jacket.

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor/Outdoor
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BC - Bare Copper	0.064 in	1

Conductor Count:	1
Conductor Size:	14 AWG

**Insulation**

Material	Nominal Diameter
Gas-injected FHDPE - Foam High Density Polyethylene	0.285 in

**Inner Shield Material**

Type	Material	Coverage [%]
Braid	BC - Bare Copper	95 %

**Inner Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.365 in

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	BC - Bare Copper	80 %

Note:	CoreGuard®
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**Outer Jacket Material**

Material	Nominal Diameter
CPE - Chlorinated Polyethylene	0.475 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
2.6 Ohm/1000ft	1.7 Ohm/1000ft	1.5 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Shield
16.1 pF/ft

## Inductance

### Nominal Inductance

0.097  $\mu$ H/ft

## Impedance

### Nominal Characteristic Impedance

75 Ohm

## Return Loss (RL)

### Frequency [MHz] | Minimum Return (RL)

5 - 850 MHz 21 dB

850 - 4500 MHz 15 dB

## High Frequency (Nominal/Typical)

### Frequency [MHz] | Nom. Insertion Loss

1 MHz 0.14 dB/100ft

3.6 MHz 0.3 dB/100ft

10 MHz 0.4 dB/100ft

71.5 MHz 1.1 dB/100ft

135 MHz 1.6 dB/100ft

270 MHz 2.3 dB/100ft

360 MHz 2.6 dB/100ft

540 MHz 3.3 dB/100ft

720 MHz 3.8 dB/100ft

750 MHz 4 dB/100ft

1000 MHz 4.6 dB/100ft

1500 MHz 5.9 dB/100ft

2250 MHz 7.4 dB/100ft

3000 MHz 9 dB/100ft

4500 MHz 12.5 dB/100ft

## Delay

### Nominal Delay | Nominal Velocity of Propagation (VP) [%]

1.21 ns/ft 84 %

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Installation Temp Range: -20°C To +75°C

UL Temp Rating: 75°C

Storage Temp Range: -30°C To +90 °C

Operating Temp Range: -30°C To +75°C

## Mechanical Characteristics

UV Resistance: Yes

Bulk Cable Weight: 130 lbs/1000ft

Max Recommended Pulling Tension: 240 lbs

Min Bend Radius/Minor Axis: 4.75 in

## Standards

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

RG Type: 11/U Type

Series Type: Series 11

## Applicable Environmental and Other Programs

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

EU Directive 2003/96/EC (BFR): Yes

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

EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2011-08-11
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
Suitability - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1581 Vertical Tray
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Color
8233WB 0101000	Black

## Product Notes

Notes:	Flooding grease between outer jacket and outer braid. Print legend includes sequential footage marks.
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