



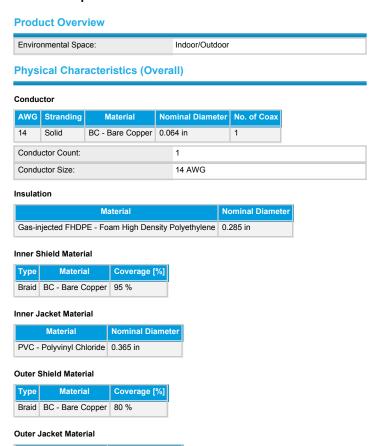
Part Number: 8233A

Video Triax, RG11, #14 Solid, CMR/CMG

# **Product Description**

14 AWG solid .064" bare copper conductor, gas-injected foam HDPE insulation, bare copper braids (95% and 80% coverage), PVC jacket.

## **Technical Specifications**



Material	Nominal Diameter
PVC - Polyvinyl Chloride	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 µH/ft

## Impedance

# Nominal Characteristic Impedance 75 Ohm

## Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 MHz - 850 MHz	21 dB
850 MHz - 4500 MHz	15 dB

## High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1.0 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**

Non-UL Temp Rating:	75°C
UL Temp Rating:	60°C
Operating Temp Range:	-30°C To +75°C

## **Mechanical Characteristics**

UV Resistance:	Yes - Black only
Bulk Cable Weight:	125 lbs/1000ft
Max Recommended Pulling Tension:	170 lbs
Min Bend Radius/Minor Axis:	4.75 in

# Standards

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
RG Type:	11/U Type

# **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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Vertical Shaft
UL voltage rating:	300 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	8233P

#### **Part Number**

#### Variants

Item #	Color	Footnote
8233A 0101000	Black	С
8233A 0102000	Black	С
8233A 0104000	Black	С

Footnote:

C - CRATE REEL PUT-UP.

#### **Product Notes**

Notes:	Print legend includes sequential footage marks.

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