



**Product:** <u>9058</u> ☑

CATV Video, RG6, 18 AWG BCCS, Tri Shield, CM PVC Jacket

## **Product Description**

CATV, Series 6, 18 AWG solid .040" bare copper-covered steel conductor(s), gas-injected foam polyethylene insulation, Duobond Plus®; aluminum braid shield (75% coverage), CM PVC jacket.

## **Technical Specifications**

## **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material Nominal Diameter No. of Coax 18 Solid BCCS - Bare Copper Covered Steel 0.04 in 1 Conductor Count: 1 Insulation Material Nominal Diameter PE - Polyethylene (Foam) 0.18 in Table Notes: Gas Injected Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid	2	Aluminum		75%
Таре	3	Bi-Laminate (Alum+Poly)		100%
Table	Notes:		Tape has shorting fo	ld and is bonded

#### Outer Jacket

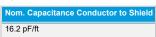
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.275 in

## **Electrical Characteristics**

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
28 Ohm/1000ft	5.6 Ohm/1000ft	5.6 Ohm/1000ft

#### Capacitance



#### Inductance

Nominal Inductance 0.097 µH/ft

## Impedance

Nominal Characteristic Impedance
75 Ohm

# Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-1000 MHz	20 dB

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.2 ns/ft	83%

## High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.58 dB/100ft
55 MHz	1.60 dB/100ft
211 MHz	3.05 dB/100ft
270 MHz	3.37 dB/100ft
300 MHz	3.55 dB/100ft
350 MHz	3.85 dB/100ft
400 MHz	4.15 dB/100ft
450 MHz	4.40 dB/100ft
550 MHz	4.90 dB/100ft
750 MHz	5.65 dB/100ft
870 MHz	6.11 dB/100ft
1000 MHz	6.55 dB/100ft

## Voltage

UL Voltage Rating 350 V RMS

# **Temperature Range**

Non-UL Temp Rating:	80°C
Operating Temperature Range:	-40°C To +80°C

## **Mechanical Characteristics**

Bulk Cable Weight:	28 lbs/1000ft
Max. Pull Tension:	138 lbs
Min. Bend Radius/Minor Axis:	2.75 in

## **Standards**

NEC/(UL) Compliance:	CATV, CM
CEC/C(UL) Compliance:	СМ
RG Type:	6
Series Type:	6

# **Applicable Environmental and Other Programs**

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
MII Order #39 (China RoHS):	Yes

# Suitability

Suitability - Indoor:	Yes

# Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	350 V RMS

#### Plenum/Non-Plenum

Plenum (Y/N):	No

#### **Related Part Numbers**

#### Variants

	Item #	Color	Put-Up Type	Length	UPC
	9058 0101000	Black	Reel	1,000 ft	612825224075
	9058 010U1000	Black	UnReel	1,000 ft	612825396192
ı	9058 009U1000	White	UnReel	1,000 ft	612825224082

#### History

Update and Revision:	Revision Number: 0.373 Revision Date: 11-09-2022

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