

## Part Number: 9058

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

#### Product Overview

Environmental Space:	Indoor (Not Riser or Plenum)
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#### 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
AWG Size:	18

##### Insulation

Material	Nominal Diameter
Gas-injected FPE - Foam Polyethylene	0.18 in

##### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	Bonded Duofoil®	100 %
Braid	2	AL - Aluminum		75 %
Tape	3	Bonded Aluminum Foil-Polyester Tape w/Shorting Fold		100 %

##### Outer Jacket Material

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

Nom. Capacitance Conductor to Shield
16.2 pF/ft

##### 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 Freq

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
350V RMS

#### Temperature Range

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

#### Mechanical Characteristics

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

#### Standards

NEC/(UL) Specification:	CATV, CM
CEC/C(UL) Specification:	CM
RG Type:	RG-6/U Type
Series Type:	Series 6

#### 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):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
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## Part Number

Plenum (Y/N):	No
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### Variants

Item #	Color
9058 0101000	BLACK
9058 010U1000	BLACK
9058 009U1000	WHITE

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