



Product: [8218](#)

Analog Video, #27 Str BCCS, 95% TC Braid, PVC Jacket



Product Description

27 AWG stranded (7x35) .017" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (95% coverage), PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Coax
27	Stranded	BCCS - Bare Copper Covered Steel	0.017 in	1
Conductor Count:			1	

Insulation	
Material	Nominal Diameter
PE - Polyethylene	0.1 in

Outer Shield		
Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	95%

Outer Jacket	
Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.15 in

Electrical Characteristics

Conductor DCR				
Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
120 Ohm/1000ft	120 Ohm/1000ft		5.7 Ohm/1000ft	5.7 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Shield	
20.5 pF/ft	

Inductance	
Nominal Inductance	
0.115 µH/ft	

Impedance	
Nominal Characteristic Impedance	
75 Ohm	

High Frequency (Nominal/Typical)	
Frequency [MHz]	Nom. Insertion Loss
1 MHz	1.2 dB/100ft
10 MHz	2.4 dB/100ft

50 MHz	4.2 dB/100ft
100 MHz	5.7 dB/100ft
200 MHz	8.3 dB/100ft
400 MHz	12.1 dB/100ft
700 MHz	16.5 dB/100ft
900 MHz	19 dB/100ft
1000 MHz	20 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66%

#### Voltage

Non-UL Voltage Rating	UL Voltage Rating
1700 V RMS	30 V RMS

### Temperature Range

UL Temp Rating:	60°C (UL AWM Style 1354)
Operating Temperature Range:	-40°C To +60°C

### Mechanical Characteristics

Bulk Cable Weight:	14 lbs/1000ft
Max. Pull Tension:	32 lbs
Min. Bend Radius/Minor Axis:	1.5 in

### Standards

UL AWM Style Compliance:	AWM 1354 (30 V 60°C)
CPR Euroclass:	Fca
RG Type:	Mini 59

### Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/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:	No
MIL Order #39 (China RoHS):	Yes

### Flammability, LS0H, Toxicity Testing

UL voltage rating:	30 V RMS
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	UPC
8218 010500	Black	Reel	500 ft	612825358008
8218 010U500	Black	UnReel	500 ft	612825196334
8218 0101000	Black	Reel	1,000 ft	612825355540
8218 010U1000	Black	UnReel	1,000 ft	612825357995

Footnote:	C - CRATE REEL PUT-UP.
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### History

Update and Revision:	Revision Number: 0.329 Revision Date: 11-09-2022
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