

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

Mechanical Characteristics

Bulk Cable Weight:	14 lbs/1000ft
Maximum Recommended Pulling Tension:	32 lbs
Minimum Minor Axis Bend Radius:	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
MII 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

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.332 Revision Date: 02-20-2026
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