

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 μ H/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
8218 010U1000	Black	UnReel	1,000 ft	612825357995

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.331 Revision Date: 02-03-2025
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