

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:

Insulation

Material	Nominal Diameter
PE - Polyethylene	0.1 in

Outer Shield Material

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

Outer Jacket Material

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 Temp 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:	UL Style 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 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:	No
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	30 V RMS
--------------------	----------

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Color	Putup 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.
-----------	------------------------

History

Update and Revision:	Revision Number: 0.272 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.