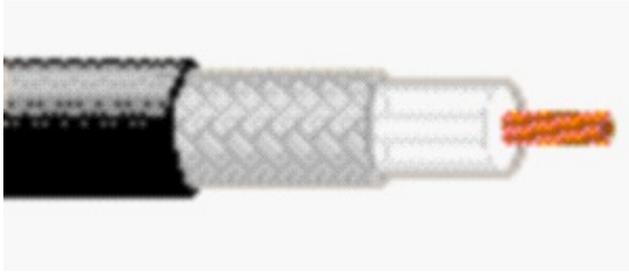


**Part Number:** 8218

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

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
27	7x35	BCCS - Bare Copper Covered Steel	0.017 in	1
Total Number of Conductors:				1

#### Insulation:

Material	Nominal Diameter
PE - Polyethylene	0.1 in

#### Outershield 1:

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	95 %

#### Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.15 in

## Electrical Characteristics

#### Conductor DCR:

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

## Capacitance:

### Nom. Capacitance Conductor to Shield

20.5 pF/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 %

## Inductance:

### Nominal Inductance

0.115 µH/ft

## Voltage:

### Non-UL Voltage Rating

### UL Voltage Rating

1700V RMS

30V RMS (UL AWM Style 1354) V

## Use

Max Recommended Pulling Tension:

32 lbs

## Temperature Range

Operating Temp Range:

-40°C To +60°C °C

UL Temp Rating:

60°C (UL AWM Style 1354) °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	1.5 in
-----------------------------	--------

## Part Number

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

## Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
UL AWM Style:	UL Style 1354 (30 V 60°C)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No

## Product Variants

Part Number	Color	Put-Up Type	Length
8218	BLACK	Reel	1000 ft
8218	BLACK	Reel	305 m
8218 0101000	BLACK	Reel	1000 ft
8218	BLACK	Reel	500 ft
8218	BLACK	Reel	152 m
8218 010500	BLACK	Reel	500 ft
8218	BLACK	UnReel	1000 ft
8218	BLACK	UnReel	305 m
8218 010U1000	BLACK	UnReel	1000 ft
8218	BLACK	UnReel	500 ft
8218	BLACK	UnReel	152 m
8218 010U500	BLACK	UnReel	500 ft
8218			

© 2017 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.