



**Product:** <u>8281</u> ☑

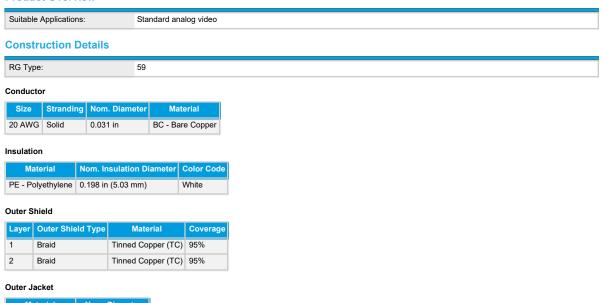
75 Ohm Analog Video Coax, RG-59, 20 AWG Solid BC, Double 95% TC Braid, PE Jkt

# **Product Description**

75 Ohm Analog Video Coax, RG-59, 20 AWG Solid Bare Copper Conductor, PE Insulation, Double 95% Tinned Copper Braid Shield, PE Jacket

## **Technical Specifications**

## **Product Overview**



Material	Nom. Diameter
PE - Polyethylene	0.305 in (7.75 mm)
Overall Cable Diame	eter (Nominal): 0.3

#### **Electrical Characteristics**

## Return Loss (RL)

Frequency	Min. Return Loss
5 - 216 MHz	27 dB
216 - 850 MHz	23 dB

# Attenuation

Frequency	Nom. Attenuation
1 MHz	0.3 dB/100ft
3.6 MHz	0.5 dB/100ft
10 MHz	0.8 dB/100ft
71.5 MHz	2.1 dB/100ft
135 MHz	3.0 dB/100ft
270 MHz	4.3 dB/100ft
360 MHz	5.1 dB/100ft
540 MHz	6.3 dB/100ft

720 MHz	7.4 dB/100ft
750 MHz	7.6 dB/100ft
1000 MHz	9.2 dB/100ft

## Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
10.8 Ohm/1000ft (35.4 Ohm/km)	1.1 Ohm/1000ft (3.6 Ohm/km)	21 pF/ft (69 pF/m)	75 Ohm	66%

## Voltage

Voltage Rating 2900 V

## **Mechanical Characteristics**

#### Temperature

Operating -55°C to +80°C

## Bend Radius

Installation Min. 3.1 in (79 mm)

Max. Pull Tension:	134 lbs (60.8 kg)
Bulk Cable Weight:	69 lbs/1000ft

## **Standards and Compliance**

Environmental Suitability:	Outdoor - Aerial, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	88281

# History

Update and Revision: Revision Number: 0.505 Revision Date: 04-29-2024	
---	--

## **Part Numbers**

#### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8281 010500	Black	Reel	500 ft	612825358626	С
8281 0101000	Black	Reel	1,000 ft	612825358091	С
8281 0105000	Black	Reel	5,000 ft	612825355809	CZ
8281 006500	Blue, Light	Reel	500 ft	612825355816	
8281 0061000	Blue, Light	Reel	1,000 ft	612825355724	С
8281 005500	Green, Dark	Reel	500 ft	612825355823	С
8281 0051000	Green, Dark	Reel	1,000 ft	612825355830	С
8281 0031000	Orange	Reel	1,000 ft	612825355861	С
8281 002500	Red	Reel	500 ft	612825355878	С
8281 0021000	Red	Reel	1,000 ft	612825355885	С
8281 0091000	White	Reel	1,000 ft	612825358725	С
8281 004500	Yellow	Reel	500 ft	612825355847	
8281 0041000	Yellow	Reel	1,000 ft	612825355854	С

# © 2024 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.