



**Product:** [8281F](#)

75 Ohm Analog Video Coax, RG-59, 21 AWG Str BC, Double 95% TC Braid, PVC Jkt. Flexible

**Product Description**

75 Ohm Analog Video Coax, RG-59, 21 AWG (7x29) Bare Copper (Compacted) Conductor , PE Insulation, Double 95% Tinned Copper Braid Shield, PVC Jacket, Flexible

**Technical Specifications**

**Product Overview**

Suitable Applications:	Standard analog video
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**Construction Details**

RG Type:	59
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**Conductor**

AWG	Stranding	Nom. Diameter	Material
21	7x29	0.032 in	BC-C - Bare Copper (Compacted)

**Insulation**

Material	Nom. Diameter
PE - Polyethylene	0.193 in

**Outer Shield Material**

Layer	Outer Shield Type	Material	Coverage
1	Braid	Tinned Copper (TC)	95%
2	Braid	Tinned Copper (TC)	95%

**Outer Jacket Material**

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.304 in

**Electrical Characteristics**

**Return Loss (RL)**

Frequency [MHz]	Min. Return Loss [dB]
2 - 216 MHz	27 dB
217 - 830 MHz	23 dB

**Attenuation**

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
3.6 MHz	0.5 dB/100ft
10 MHz	0.9 dB/100ft
71.5 MHz	2.5 dB/100ft
135 MHz	3.6 dB/100ft
270 MHz	5.1 dB/100ft
360 MHz	6 dB/100ft
540 MHz	7.4 dB/100ft

720 MHz	8.7 dB/100ft
750 MHz	8.9 dB/100ft
1000 MHz	10.5 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance
11.6 Ohm/1000ft	1.7 Ohm/1000ft	20.5 pF/ft	75 Ohm

#### Voltage

Non-UL Voltage Rating
2900 V

## Mechanical Characteristics

#### Temperature

Operating
-30°C to +75°C

#### Bend Radius

Installation Min.
3.0 in

Bulk Cable Weight:	61 lbs/1000ft
Max. Pull Tension:	89 lbs

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
European Directive Compliance:	EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Compacted copper combines the Impedance uniformity of solid conductors and the "nick-resistance" of stranded conductors.
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## History

Update and Revision:	Revision Number: 0.287 Revision Date: 08-25-2020
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