



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

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Suitable Applications: Star		andard analog video			
Const	Construction Details				
RG Typ	RG Type: 59				
Conduc	Conductor				
Size	Stranding	Nom. Diameter	Material		
21 AW	G 7x29	0.032 in	BC-C - Bare Copper		
21 AW		0.032 in	BC-C - Bare Copper (
		lom. Insulation D	iameter Color Code		
PE - Po	olyethylene 0	.193 in (4.90 mm)	White		

Outer Shield

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

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.304 in (7.72 mm)
overall Cable Diameter	(Nominal): 0.304 in (

Electrical Characteristics

Return Loss (RL)

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

Attenuation

Frequency	Nom. Attenuation
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. Characteristic Impedance	Nom. Velocity of Prop.
11.6 Ohm/1000ft	1.7 Ohm/1000ft (5.6 Ohm/km)	20.5 pF/ft (67.3 pF/m)	75 Ohm	66%

Voltage

Voltage Rating 2900 V

Mechanical Characteristics

Temperature



Bend Radius

3.0 in (76 mm)

Max. Pull Tension:	168 lbs (76.2 kg)
Bulk Cable Weight:	61 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
CPR Compliance:	CPR Euroclass: Eca
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)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

Product Notes

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

History

Update and Revision:	Revision Number: 0.477 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8281F J5C500	Black, Vivid Matte	Reel	500 ft	612825355465	
8281F J5C1000	Black, Vivid Matte	Reel	1,000 ft	612825355472	С
8281F G7X1000	Blue, Matte	Reel	1,000 ft	612825357988	С
8281F U901000	Gray, Matte	Reel	1,000 ft	612825203605	С
8281F G7W1000	Green, Matte	Reel	1,000 ft	612825355533	С
8281F G7V1000	Red, Matte	Reel	1,000 ft	612825355991	С

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