



Product: [8281](#) 

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

Suitable Applications:	Standard analog video
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Construction Details

RG Type:	59
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Conductor

AWG	Stranding	Nom. Diameter	Material
20	Solid	0.031 in	BC - Bare Copper

Insulation

Material	Nom. Diameter
PE - Polyethylene	0.198 in

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
PE - Polyethylene	0.305 in

Electrical Characteristics

Return Loss (RL)

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

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
3.6 MHz	0.5 dB/100ft
10 MHz	0.8 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
10.8 Ohm/1000ft	1.1 Ohm/1000ft	21 pF/ft	75 Ohm	66%

Voltage

Voltage Rating
2900 V

Mechanical Characteristics

Temperature

Operating
-55°C to +75°C

Bend Radius

Installation Min.
3.1 in

Bulk Cable Weight:	69 lbs/1000ft
Max. Pull Tension:	134 lbs

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor
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: 0.331 Revision Date: 10-27-2021
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