



# Product: <u>1505A</u> ☑

75 Ohm SDI Coax, RG-59, 20 AWG Solid BC, Foil + 95% TC Braid, PVC Jkt, CMR

# **Product Description**

75 Ohm SDI Coax, RG-59, 20 AWG Solid Bare Copper Conductor, PE Insulation, Foil + 95% Tinned Copper Braid Shield, PVC Jacket, CMR

# **Technical Specifications**

# **Product Overview**

Suitabl	Suitable Applications: D		Digital Vide
Const	truction	Details	
RG Ty	pe:		59
Conduc	4		
Conduc			
AWG	Stranding	Nom. Diamet	ter Ma
20	Solid	0.032 in	BC - Ba
Insulation			
	Material	Nom.	Diameter
PE - Po	olvethvlene	(Foam) 0.145	in

#### **Outer Shield Material**

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Таре	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		95%

## Outer Jacket Material

Material	Nom. Diamete
PVC - Polyvinyl Chloride	0.233 in

# **Electrical Characteristics**

### Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.3 dB/100ft
3.58 MHz	0.6 dB/100ft
5 MHz	0.63 dB/100ft
6 MHz	0.69 dB/100ft
7 MHz	0.74 dB/100ft
10 MHz	0.9 dB/100ft
12 MHz	0.91 dB/100ft
25 MHz	1.3 dB/100ft

67.5 MHz	2.05 dB/100ft
71.5 MHz	2.1 dB/100ft
88.5 MHz	2.2 dB/100ft
100 MHz	2.3 dB/100ft
135 MHz	2.7 dB/100ft
143 MHz	2.8 dB/100ft
180 MHz	3.1 dB/100ft
270 MHz	3.8 dB/100ft
360 MHz	4.4 dB/100ft
540 MHz	5.5 dB/100ft
720 MHz	6.4 dB/100ft
750 MHz	6.5 dB/100ft
1000 MHz	7.6 dB/100ft
1500 MHz	9.5 dB/100ft
2000 MHz	11.2 dB/100ft
2250 MHz	11.9 dB/100ft
3000 MHz	14.0 dB/100ft
4500 MHz	17.5 dB/100ft
6000 MHz	21.1 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedence	Nom. Velocity
10 Ohm/1000ft	3.8 Ohm/1000ft	16.3 pF/ft	75 Ohm	82%

# Voltage

UL Voltage Rating 300 V (CMR, CMG)

### **Mechanical Characteristics**

#### Temperature

 UL Rating
 Operating

 60°C
 -20°C to +75°C

### Bend Radius

Installation Min. 2.3 in	
Bulk Cable Weight:	31 lbs/1000ft
Max. Pull Tension:	52 lbs

### **Standards and Compliance**

Environmental Suitability:	Indoor/Outdoor, Indoor, UV Resistance
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1666 Vertical Shaft, FT4
NEC / UL Compliance:	CMR
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, 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)
Plenum Number:	1506A

### **Product Notes**

Also available in multi-coax bundled versions. See 7794A through 7798A. Print legend includes sequential footage marks.

#### History

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Update and Revision:	Revision Number: 0.346 Revision Date: 09-30-2020	

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