



Product: [7700A](#)

75 Ohm Analog Video Coax, Dual Ultra-miniature RG-59, 30 AWG Str TC, 95% TC French Braids, Flamarrest® Jkt, CMP, Flexible

Product Description

75 Ohm Analog Video Coax, Dual Ultra-miniature RG-59, 30 AWG (7x38) Tinned Copper Conductors , FEP Insulation, 95% Tinned Copper French Braid Inner Shields, Flamarrest® Jacket, CMP, Flexible

Technical Specifications

Product Overview

Suitable Applications:	S-Video, Standard analog video
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Construction Details

RG Type:	Ultra-miniature 59
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Conductor

Size	Stranding	Nom. Diameter	Material
30 AWG	7x38	0.012 in	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
PFA - Perfluoroalkoxy (Foam)	0.053 in (1.3 mm)	White

Inner Shield

Shield Type	Material	Coverage
French Braid	Tinned Copper (TC)	95%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.107 x .215 in

Overall Cable Diameter (Nominal):	0.107 in (2.72 mm)
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Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation
1 MHz	0.7 dB/100ft
5 MHz	1.7 dB/100ft
10 MHz	2.3 dB/100ft
30 MHz	4.1 dB/100ft
50 MHz	5.3 dB/100ft
100 MHz	7.6 dB/100ft
200 MHz	11.8 dB/100ft
400 MHz	17.6 dB/100ft
700 MHz	24.2 dB/100ft
900 MHz	28.0 dB/100ft
1000 MHz	29.8 dB/100ft

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
92.6 Ohm/1000ft	7.5 Ohm/1000ft (25 Ohm/km)	17.3 pF/ft (56.8 pF/m)	75 Ohm	78%

Voltage

UL Voltage Rating	Voltage Rating
300 V (CMP)	300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Installation Min.
2.2 in (56 mm)

Max. Pull Tension:	12 lbs (5.4 kg)
Bulk Cable Weight:	20 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Aerial - Black only, When supported by messenger wire
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, 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)
Non-Plenum Number:	1807A

History

Update and Revision:	Revision Number: 0.436 Revision Date: 04-26-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
7700A B59500	Black, Matte	Reel	500 ft	612825415879
7700A B591000	Black, Matte	Reel	1,000 ft	612825188223

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