



Part Number: 7700A

S-Video, High-Flex, Dual Mini 75 Ohm #30 Coax, Parallel CMP

Product Description

S-Video Cable, Plenum-CMP, 2-30 AWG stranded tinned copper coax, foam FEP insulation, 95% tinned copper shield, Flamarrest® jacket

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.012 in	2
Total Number of Conductors:			2	

Insulation:

Material	Material Trade Name	Nominal Diameter
FFEP - Foam Fluorinated Ethylene Propylene	Teflon®	0.053 in

Innershield:

Type	Material	Coverage [%]
French Braid	TC - Tinned Copper	95 %

Outerjacket 1:

Material	Material Trade Name	Nominal Diameter
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.107 x 0.215 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR
100 Ohm/1000ft	7.5 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Shield

17.3 pF/ft

Impedance:

Nominal Characteristic Impedance

75 Ohm

High Frequency (Nominal/Typical):

Frequency [MHz]	Nom. Insertion Loss
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 dB/100ft
1000 MHz	29.8 dB/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]

78 %

Inductance:

Nominal Inductance

0.097 μ H/ft

Voltage:

Non-UL Voltage Rating

300V RMS

UL Voltage Rating

300V RMS V

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	12 lbs

Safety

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Temperature Range

Non-UL Temp Rating:	60°C °C
Operating Temp Range:	-20°C To +60°C °C
UL Temp Rating:	60°C °C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	1 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	1807A

Standards

CA Prop 65 (CJ for Wire & Cable):	Yes
CEC/C(UL) Specification:	CMP
MII Order #39 (China RoHS):	Yes
NEC/(UL) Specification:	CMP
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

History

Notes:	Teflon« is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.
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Product Variants

Part Number	Color	Put-Up Type	Length
7700A	BLACK, MATTE	Reel	1000 ft
7700A	MATTE BLACK	Reel	305 m
7700A B591000	BLACK, MATTE	Reel	1000 ft
7700A	BLACK, MATTE	Reel	500 ft
7700A	MATTE BLACK	Reel	152 m
7700A B59500	BLACK, MATTE	Reel	500 ft
7700A			

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