

Product: [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

Physical Characteristics (Overall)

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

Insulation		
Material	Material Trade Name	Nominal Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	Teflon®	0.053 in

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

Outer Jacket Material		
Material	Material Trade Name	Nominal Diameter
PVC-LS - Polyvinyl Chloride (Low Smoke)	Flamarrest®	0.215 in

Electrical Characteristics

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

Capacitance	
Nom. Capacitance Conductor to Shield	
17.3 pF/ft	

Inductance	
Nominal Inductance	
0.097 µH/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%

Voltage

Non-UL Voltage Rating	UL Voltage Rating
300 V RMS	300 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	20 lbs/1000ft
Max. Pull Tension:	12 lbs
Min Bend Radius/Minor Axis:	1 in

Standards

NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP
RG Type:	Ultra-miniature 59/U Type
Series Type:	Sub-miniature 59

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-12-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
CSA Flammability:	FT6
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	1807A
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Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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Product Notes

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

Update and Revision:	Revision Number: 0.258 Revision Date: 04-28-2020
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