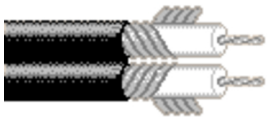
Product: 1807A



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

Product Description

S-Video Cable, 2-30 AWG stranded tinned copper coax, foam HDPE insulation, 90% tinned copper spiral serve shield, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
30	7x38	TC - Tinned Copper	0.013 in	2

Conductor Count:	2

Insulation

Material
PE - Polyethylene (Foam)

Inner Shield

Type	Material	Coverage [%]
Spiral Serve / Screen	Tinned Copper (TC)	90%

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.230 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	0.6 dB/100ft
5 MHz	1.4 dB/100ft

10 MHz	2.1 dB/100ft
30 MHz	3.8 dB/100ft
50 MHz	5.1 dB/100ft
100 MHz	7.6 dB/100ft
200 MHz	11.3 dB/100ft
400 MHz	16.9 dB/100ft
700 MHz	23.3 dB/100ft
900 MHz	26.9 dB/100ft
1000 MHz	28.6 dB/100ft

Delay

Nominal Velocity of Propagation (VP) [%]
78%

Voltage

Non-UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	75°C
Operating Temperature Range:	-40°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	14 lbs/1000ft
Max. Pull Tension:	11.7 lbs
Min. Bend Radius/Minor Axis:	1 in

Standards

CPR Euroclass:	Eca
RG Type:	Ultra-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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	7700A

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
1807A B59500	Black, Matte	Reel	500 ft	612825357148
1807A B59U500	Black, Matte	UnReel	500 ft	612825357162
1807A B591000	Black, Matte	Reel	1,000 ft	612825357155
1807A B59U1000	Black, Matte	UnReel	1,000 ft	612825357179

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.400 Revision Date: 12-19-2022

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