## **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



## 1808A Coax - High-Flex S-Video Cable



For more Information please call

1-800-Belden1



#### **General Description:**

30 AWG stranded (7x38) .012" tinned copper conductors, foam HDPE insulation, tinned copper serve shield (90% coverage), PVC jacket.

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## **Physical Characteristics (Overall)**

## Conductor

AWG:

	AWG	Stranding	Conductor Material	Dia. (in.)
2	30	7x38	TC - Tinned Copper	.013

Total Number of Conductors:

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)	
FHDPE - Foam High Density Polyethylene	.058	

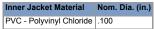
#### **Inner Shield**

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Spiral Serve	TC - Tinned Copper	90

#### Inner Jacket

Inner Jacket Material:



#### Inner Jacket Color Code Chart:

Number	Color
1	Black
2	Yellow

#### **Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.254 in.

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +75°C
UL Temperature Rating:	60°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	12 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

## **Applicable Specifications and Agency Compliance (Overall)**

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 1354
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

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	EU Directive 2002/96/EC (WEEE):	Yes	
	EU Directive 2003/11/EC (BFR):	Yes	
	CA Prop 65 (CJ for Wire & Cable):	Yes	
	MII Order #39 (China RoHS):	Yes	
Sui	Suitability		
	Suitability - Indoor:	Yes	
	Suitability - Outdoor:	Yes	
Ple	Plenum/Non-Plenum		
	Plenum (Y/N):	No	

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Inductance:

Inductance (µH/ft) 0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

Nominal Velocity of Propagation:

**VP (%)** 78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 100.0

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 7.5

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.6
5	1.4
10	2.1
30	3.8
50	5.1
100	7.6
200	11.3
400	16.9
700	23.3
900	26.9
1000	28.6

Max. Operating Voltage - UL:

Voltage 30 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

## Notes (Overall)

Notes: Inner Jacket Separator Material: Paper Tape.

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1808A B59U1000	1,000 FT	31.000 LB	BLACK, MATTE		2 #30 FHDPE SRV PVC PVC
1808A B59U500	500 FT	16.500 LB	BLACK, MATTE		2 #30 FHDPE SRV PVC PVC
1808A B591000	1,000 FT	33.000 LB	BLACK, MATTE	С	2 #30 FHDPE SRV PVC PVC
1808A B59500	500 FT	16.500 LB	BLACK, MATTE	С	2 #30 FHDPE SRV PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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## 1808A Coax - High-Flex S-Video Cable

Revision Number: 2 Revision Date: 10-04-2012

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