

1807A 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.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
2	30	7x38	TC - Tinned Copper	0.3302

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material
FHDPE - Foam High Density Polyethylene

Inner Shield

Inner Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 2.794 x 5.842 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	20.835 Kg/Km
Max. Recommended Pulling Tension:	52.044 N
Min. Bend Radius/Minor Axis:	25.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

56.7613

Nominal Velocity of Propagation:

VP (%)

78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

328.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

24.6075

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.9686
5	4.5934
10	6.8901
30	12.4678
50	16.7331
100	24.9356
200	37.0753
400	55.4489
700	76.4473
900	88.2589
1000	93.8366

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1807A B59U1000	1,000 FT	15.000 LB	BLACK, MATTE	C	2 #30 FHDPE SRV PVC DUAL
1807A B59U500	500 FT	8.000 LB	BLACK, MATTE		2 #30 FHDPE SRV PVC DUAL
1807A B59I000	1,000 FT	15.000 LB	BLACK, MATTE	C	2 #30 FHDPE SRV PVC DUAL
1807A B59500	500 FT	7.500 LB	BLACK, MATTE		2 #30 FHDPE SRV PVC DUAL

Notes:

C = CRATE REEL PUT-UP.

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