# **Detailed Specifications & Technical Data**

# **METRIC MEASUREMENT VERSION**



# 1807A Coax - High-Flex S-Video Cable



For more Information please call

1-800-Belden1



# **General Description:**

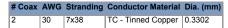
30 AWG stranded (7x38) .012" tinned copper conductors, foam HDPE insulation, tinned copper serve shield (90% coverage), PVC jacket.

2

# **Physical Characteristics (Overall)**

# Conductor

AWG:



Total Number of Conductors:

#### Insulation

Insulation Material:

Insulation Material
FHDPE - Foam High Density Polyethylene

#### **Inner Shield**

Inner Shield Material:

Туре	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	<b>Characteristics</b>	(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
	MII Order #39 (China RoHS):	Yes
Su	itability	
	Suitability - Indoor:	Yes
	Suitability - Outdoor:	Yes

# Plenum/Non-Plenum

Plenum (Y/N): No

Page 1 of 2 01-09-2015

# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



# 1807A Coax - High-Flex S-Video Cable

Plenum Number:	7700A

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm)

Nom. Inductance:

Inductance (µH/m) 0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 56.7613

Nominal Velocity of Propagation:

VP (%)

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	С	2 #30 FHDPE SRV PVC DUAL
1807A B59U500	500 FT	8.000 LB	BLACK, MATTE		2 #30 FHDPE SRV PVC DUAL
1807A B591000	1,000 FT	15.000 LB	BLACK, MATTE	С	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.

Revision Number: 2 Revision Date: 04-11-2008

© 2015 Belden, Inc All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Page 2 of 2