



## 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. (in.)
2	30	7x38	TC - Tinned Copper	.013

### 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 Cabling

Overall Nominal Diameter: 0.110 x 0.230 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	13.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	11.700 lbs.
Min. Bend Radius (Install)/Minor Axis:	1 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

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

### Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

### Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 7700A

## 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 - 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 B591000	1,000 FT	14.000 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.

# High-Flex S-Video Cable

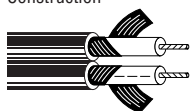


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)

**Foam HDPE Insulation • Matte Black PVC Jacket** (One Coax Printed and Striped for Identification)

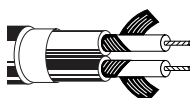
Parallel Zip Construction	<b>1807A</b>	—	2	U-500	U-152.4	8.0	3.6	30 AWG (7x38)	.058	1.47	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	7.5	3.4				90% Shield	x	x					5	1.4	4.6
				U-1000	U-304.8	15.0	6.8	.012"			Coverage	.230	5.84					10	2.1	6.9
				1000	304.8	14.0	6.4	TC			7.5Ω/M'							30	3.8	12.5
								100.0Ω/M'			24.6Ω/km							50	5.1	16.7
								328.0Ω/km										100	7.6	24.9
																		200	11.3	37.1
																		400	16.9	55.4
																		700	23.3	76.4
																		900	26.9	88.2
																		1000	28.6	93.8



For Plenum version see 7700A.

**Foam HDPE Insulation • Matte Black PVC Jacket** (Inner PVC Jackets Color Code: Black and Yellow)

Round Construction	<b>1808A</b>	—	2	U-500	U-152.4	16.5	7.5	30 AWG (7x38)	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	14.5	6.6				90% Shield							5	1.4	4.6
				U-1000	U-304.8	31.0	14.1	.013"	.100	2.54	Coverage							10	2.1	6.9
				1000	304.8	33.0	15.0	TC			7.5Ω/M'							30	3.8	12.5
								100.0Ω/M'			24.6Ω/km							50	5.1	16.7
								328.0Ω/km										100	7.6	24.9
																		200	11.3	37.1
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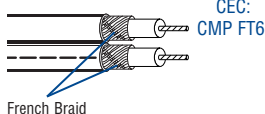


Available in Plenum versions by special order only.

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket** (One Coax Printed and Striped for Identification)

Parallel Zip Construction	<b>7700A</b>	NEC: CMP CEC: CMP FT6	2	500	152.4	8.5	3.9	30 AWG (7x38)	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.7	2.3
				1000	304.8	17.0	7.7				"French Braid"	x	x					5	1.7	5.6
								.012"			98% Shield	.214	5.44					10	2.3	7.5
								TC			Coverage							30	4.1	13.5
								100.0Ω/M'			7.5Ω/M'							50	5.3	17.4
								328.0Ω/km			24.6Ω/km							100	7.6	24.9
																		200	11.8	38.7
																		400	17.6	57.7
																		700	24.2	79.4
																		900	28.0	91.9
																		1000	29.8	97.8



For Non-Plenum version see 1807A.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Teflon is a DuPont trademark.

