



Description:

18 AWG stranded (7x26) .048" tinned copper conductor, flame-retardant semi-foam polyethylene insulation, bare copper braid shield (97% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	7x26	TC - Tinned Copper	.048

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FR Semi-Foam PE - Flame Retardant Semi-Foam Polyethylene	.285

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	97

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 0.405 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 117 lbs/1000 ft.

Max. Recommended Pulling Tension: 143 lbs.

Min. Bend Radius (Install)/Minor Axis: 4.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CM

CEC/C(UL) Specification: CM

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): 10/13/2005

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
RG Type:	11/U

Flame Test

UL Flame Test:	UL1685 UL Loading
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Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
.115

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
20.5

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/ft)
1.54

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.1

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.2

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.2
10	.7
50	1.3
100	2.0
200	2.9
400	4.2
700	5.8
900	6.8
1000	7.1

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8238 0101000	1,000 FT	117.000 LB	BLACK	C	RG-11/U TYPE

8238 010500	500 FT	59.000 LB	BLACK	C	RG-11/U TYPE
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Notes:

C = CRATE REEL PUT-UP.

Standard Analog Video Cable

RG-6/U and RG-11/U Types



Description	Part No.	UL NEC/ C(UL) CEC Type	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.	dB/ 100m

RG-6/U • 18 AWG Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
80°C	8238	NEC: CM	500	152.4	59.0	26.8	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	67%	20.5	67.2	1	.2	.6
		CEC: CM	1000	304.8	117.0	53.1	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

Polyethylene Insulation • Black PVC Jacket																			
60°C	8261	CEC: CXC	500	152.4	52.5	23.9	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1			1000	304.8	104.0	47.3	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

Composite • Coax: 18 AWG Solid BC Cond. w/BC Braid Shield (95% Coverage) • **Power: 18 AWG** Stranded (7x26) BC Conductor UTP

Foam Polyethylene Insulation (Coax) • Polypropylene Insulation (Pair) • Black Low-Smoke, Zero-Halogen Jacket																			
Siamese	1306SB	NEC: CMG-LS	500	152.4	37.0	16.8	18 AWG (solid)	.180	4.57	Coax: 95% BC	.275	6.99	75	83%	16.3	53.5	1	.2	.7
300V RMS	new	CEC: CMG-LS	1000	304.8	76.0	34.5	.040"			Braid	x	x					10	.6	2.1
		FT4 Limited Smoke					Pair: BC	.059	1.59	3.1Ω/M'	.514	13.06					50	1.5	4.8
							6.4Ω/M'			10.2Ω/km							100	2.1	6.9
							21.0Ω/km										200	3.0	9.8
																	400	4.3	14.1
																	700	5.8	19.0
																	900	6.7	22.0
																	1000	7.1	23.3

RG-11/U • 14 AWG Solid .064" Bare Copper Conductor • Dufoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
80°C	9292	—	1000	304.8	75.0	34.0	14 AWG (solid)	.280	7.11	Dufoil + 60% TC	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							.064"			Braid							10	.5	1.6
							BC			3.0Ω/M'							50	.9	3.0
							2.6Ω/M'			9.8Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.6	5.3
																	400	2.3	7.6
																	700	3.3	10.8
																	900	4.0	13.1
																	1000	4.3	14.1

Suitable for Indoor and Outdoor applications.

RG-11/U • 14 AWG Solid .064" Bare Copper Conductor • Dufoil (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)

Plenum • Foam FEP Insulation • Black FEP Jacket																			
200°C	89292	NEC: CMP	500	152.4	40.5	18.4	14 AWG (solid)	.274	6.96	Dufoil + 63% TC	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CATVP	1000	304.8	81.0	36.7	.064"			Braid							10	.4	1.3
		CEC: CMP FT6					BC			3.0Ω/M'							50	1.0	3.3
							2.5Ω/M'			9.8Ω/km							100	1.5	4.9
							8.2Ω/km										200	2.2	7.2
																	400	3.3	10.8
																	700	4.5	14.8
																	900	5.2	17.1
																	1000	5.5	18.0

RG-11/U • 14 AWG Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
80°C	8213	—	500	152.4	44.0	20.0	14 AWG (solid)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	.064"			Coverage							10	.4	1.1
			2000	609.6	172.0	78.2	BC			1.1Ω/M'							50	.9	3.0
							2.6Ω/M'			3.6Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.9	6.2
																	400	2.9	9.5
																	700	4.1	13.5
																	900	4.8	15.7
																	1000	5.2	17.1

Suitable for Indoor and Outdoor applications.

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

