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

Total Number of Conductors: 2

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 Material	Nom. Dia. (in.)
PVC - Polyvinyl Chloride	.100

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

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
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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	C	2 #30 FHDPE SRV PVC PVC
1808A B59500	500 FT	16.500 LB	BLACK, MATTE	C	2 #30 FHDPE SRV PVC PVC

Notes:

C = CRATE REEL PUT-UP.

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