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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

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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