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1-800-Belden1



General Description:

95 ohm 30 AWG Stranded (7x38) .012" silver-plated copper-covered steel conductor, TFE Teflon® insulation, silver-plated copper braid shield (90% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	30	7x38	SPCCS - Silver Plated Copper Covered Steel	0.3048

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
TFE - Tetrafluoroethylene	2.5908

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	SPC - Silver Plated Copper	90.000

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 3.581 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 26.788 Kg/Km

Max. Recommended Pulling Tension: 111.205 N

Min. Bend Radius/Minor Axis: 38.100 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): 04/01/2005

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
Military Specification:	MIL-C-17, M17/95-RG180
RG Type:	180/U

Flame Test

UL Flame Test:	VW-1
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Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)
95

Nom. Inductance:

Inductance (µH/m)
0.442935

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
49.215

Nominal Velocity of Propagation:

VP (%)
69.5

Nominal Delay:

Delay (ns/m)
4.85588

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
800.564

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
21.3265

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	7.8744
10	10.8273
50	15.0926
100	18.7017
200	24.9356
400	35.1067
700	48.8869
900	52.1679
1000	55.777

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83266 0011000	1,000 FT	19.000 LB	BROWN	C E	#30 COAX M17/95-RG180

Notes:

C = CRATE REEL PUT-UP.

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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