



For more Information  
please call

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

**Plenum/Non-Plenum**

Plenum (Y/N): No

**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'

Revision Number: 2    Revision Date: 10-04-2012

© 2015 Belden, Inc.  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale. Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.