

For more Information
please call

1-800-Belden1



Description:

13 AWG stranded (7x21) .089" silver-plated copper conductor, polyethylene insulation, double silver-plated copper braid shield (97% coverage), non-contaminating PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	13	7x21	SPC - Silver Plated Copper	2.2606

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	7.239

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Braid	SPC - Silver Plated Copper	95
2	Braid	SPC - Silver Plated Copper	97

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cabling

Overall Nominal Diameter: 10.795 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
UL Temperature Rating:	60°C (UL AWM Style 1354)
Bulk Cable Weight:	190.490 Kg/Km
Max. Recommended Pulling Tension:	1000.850 N
Min. Bend Radius (Install)/Minor Axis:	152.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMX
CEC/C(UL) Specification:	CMX
AWM Specification:	UL Style 1354 (30 V 60°C)
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):	10/01/2005

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-DTL-17, M17/164-00001
RG Type:	214/U

Flame Test

UL Flame Test:	VW-1
----------------	------

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)
50

Nom. Inductance:

Inductance (μH/m)
0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
5.5777

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
2.2967

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.55777
10	1.80455
50	4.2653
100	6.2339
200	8.8587
400	13.4521
700	21.3265
900	24.9356
1000	26.248
4000	65.62

Max. Power Rating:

Freq. (MHz)	Rating (W)
50	1500
100	907
200	549
400	332
700	221
900	184

1000	171
4000	62

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 1354
300 V RMS	NEC

Max. Operating Voltage - Non-UL:

Voltage
3700 V RMS (MIL-Spec.)

Notes (Overall)

Notes: Non-SWR swept version of RG-214.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8268 0101000	305 MT	63.503 KG	BLACK	C	M17/164-00001 COAX (10DAY)
8268 010500	152 MT	31.978 KG	BLACK	C	M17/164-00001 COAX (10DAY)

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-19-2011

© 2011 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.