



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





For more Information  
please call

1-800-Belden1



## General Description:

Series 11, 14 AWG solid .064" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® III + aluminum braid shield (77% coverage), PVC jacket.

## Usage (Overall)

Suitable Applications: CATV

## Physical Characteristics (Overall)

### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.6256

Total Number of Conductors: 1

### Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FPE - Foam Polyethylene	7.112

### Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	Description
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000	
2		Braid	AL - Aluminum	77.000	
3		Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000	Bonded to Jacket

Outer Shield Flooding Grease: Coreguard®

### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

### Messenger

Messenger Diameter: 1.829 mm

Messenger Material: Galvanized Steel

### Overall Cable

Overall Nominal Diameter: 10.160 x 14.732 mm

## Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +80°C

Non-UL Temperature Rating: 80°C

Bulk Cable Weight: 125.009 Kg/Km

Max. Recommended Pulling Tension: 978.604 N

Min. Bend Radius/Minor Axis: 114.300 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
MII Order #39 (China RoHS):	Yes
Series Type:	Series 11
<b>Suitability</b>	
Suitability - Aerial:	Yes
<b>Plenum/Non-Plenum</b>	
Plenum (Y/N):	No

## Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

**Nom. Inductance:**

Inductance (µH/m)
3.18257

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)
53.1522

**Nominal Velocity of Propagation:**

VP (%)
83

**Nominal Delay:**

Delay (ns/m)
3.9372

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
36.091

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)
13.124

**Max. Attenuation:**

Freq. (MHz)	Attenuation (dB/100m)
5	1.24678
55	3.18257
211	5.93861
270	6.72605
300	7.05415
350	7.61192
400	8.10407
450	8.69465
550	9.64614
750	11.4835
870	12.599
1000	13.8786

**Max. Operating Voltage - Non-UL:**

Voltage
300 V RMS

**Minimum Structural Return Loss:**

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	1000	20

## Notes (Overall)

**Notes:** Sweep tested 5 MHz to 1 GHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7983BM 0101000	1,000 FT	88.000 LB	BLACK		#14 GIFHDLDPPE SH FS PVC W/MSGR

## METRIC MEASUREMENT VERSION

## 7983BM Coax - CATV Cable

Revision Number: 0    Revision Date: 02-20-2012

© 2017 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.