
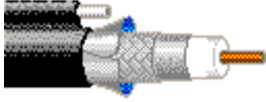


**Product:** [7983BM](#) 



CATV Video, Series 11, 14 AWG, BCCS, Flooding Grease, Messenger

### Product Description

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

### Technical Specifications

#### Product Overview

Suitable Applications:	CATV
------------------------	------

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
14	Solid	BCCS - Bare Copper Covered Steel	0.064 in	1

Conductor Count:	1
------------------	---

##### Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.28 in

Table Notes:	Gas Injected
--------------	--------------

##### Outer Shield

Type	Description	Layer	Material	Material Trade Name	Coverage [%]
Tape		1	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
Braid		2	Aluminum		77%
Tape	Bonded to Jacket	3	Tri-Laminate (Alum+Poly+Alum)		100%

Table Notes:	Tape is bonded to dielectric, Coreguard®
--------------	--

##### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.400 x 0.580 in

#### Construction and Dimensions

OuterJacket1, Messenger Diameter:	0.072 in
OuterJacket1, Messenger Material:	Galvanized Steel

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR	Outer Conductor DCR
11 Ohm/1000ft	4 Ohm/1000ft	4 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Shield
16.2 pF/ft

## Inductance

Nominal Inductance
0.97 $\mu$ H/ft

## Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
75 Ohm	$\pm$ 3 Ohm

## Return Loss (RL)

Frequency [MHz]	Min. Structural Return Loss (SRL)
5-1000 MHz	20 dB

## Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.22 ns/ft	83%

## High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)
5 MHz	0.38 dB/100ft
55 MHz	0.96 dB/100ft
211 MHz	1.90 dB/100ft
250 MHz	2.05 dB/100ft
270 MHz	2.13 dB/100ft
300 MHz	2.25 dB/100ft
330 MHz	2.35 dB/100ft
350 MHz	2.42 dB/100ft
400 MHz	2.60 dB/100ft
450 MHz	2.75 dB/100ft
500 MHz	2.90 dB/100ft
550 MHz	3.04 dB/100ft
600 MHz	3.18 dB/100ft
750 MHz	3.65 dB/100ft
870 MHz	4.06 dB/100ft
1000 MHz	4.35 dB/100ft

## Voltage

Non-UL Voltage Rating
300 V RMS

## Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	81 lbs/1000ft
Max. Pull Tension:	205 lbs
Min. Bend Radius/Minor Axis:	4.5 in

## Standards

RG Type:	11
Series Type:	11

## Applicable Environmental and Other Programs

Environmental Space:	Water Exposure/Below-Grade Conduit
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Aerial:	Yes
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Outdoor:	Yes

## Plenum/Non-Plenum

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

## Part Number

### Variants

Item #	Color	Put-Up Type	Length	UPC
7983BM 0101000	Black	Reel	1,000 ft	612825192411

## Product Notes

Notes:	Outer shield tape bonded to jacket.
--------	-------------------------------------

## History

Update and Revision:	Revision Number: 0.173 Revision Date: 09-10-2021
----------------------	--

© 2021 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.