Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

7983A Coax - CATV Cable



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.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	14	Solid	BCCS - Bare Copper Covered Steel	.064

Total Number of Conductors:	1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.280

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	77
3		Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100

Outer Shield Flooding Grease:	Coreguard®

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Messenger

Messenger Diameter:	0.072 in.
Messenger Material:	Galvanized Steel

Overall Cable

Overall Nominal Diameter:	0.393 x 0.573 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	84 lbs/1000 ft.
Max. Recommended Pulling Tension:	220 lbs.
Min. Bend Radius/Minor Axis:	4.500 in.

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

Suitability

Suitability - Aerial:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75.000

Nom. Inductance:

Inductance (µH/ft)
0.97

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
16.2

Nominal Velocity of Propagation:

VP (%)
83

Nominal Delay:

Delay (ns/ft)
1.2

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
11

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.38
55	.97
211	1.81
270	2.05
300	2.15
350	2.32
400	2.47
450	2.65
550	2.94
750	3.5
870	3.84
1000	4.23

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
7983A 0101000	1,000 FT	88.000 LB	BLACK	C	#14 GIFHDLDPE SH FS PVC/MSGR

Notes:
C = CRATE REEL PUT-UP.

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