

## 7984A 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), polyethylene jacket (black or orange).

**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	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100

Outer Shield Flooding Grease: CoreGuard®

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PE - Polyethylene

**Overall Cable**

Overall Nominal Diameter: 0.393 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-55°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	40 lbs/1000 ft.
Max. Recommended Pulling Tension:	276 lbs.
Min. Bend Radius/Minor Axis:	4 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
MIL Order #39 (China RoHS):	Yes
Series Type:	Series 11

**Suitability**

Suitability - Burial: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

75.000

## Nom. Inductance:

Inductance (µH/ft)

0.097

## 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

## Sweep Test

Sweep Testing: Sweep tested 5 MHz to 1 GHz.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7984A 0031000	1,000 FT	61.000 LB	ORANGE	C	#14 GIFHDLDP SH FS LDPE
7984A 0101000	1,000 FT	61.000 LB	BLACK	C	#14 GIFHDLDP SH FS LDPE

## Notes:

C = CRATE REEL PUT-UP.

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