

## 7979A Coax - Broadband Coax CATV Cable



**Obsolete**  
**Call**  
**1-800-BELDEN1**

For more Information  
 please call

1-800-Belden1

**Description:**

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV Quad shield with CoreGuard®, PVC jacket with gvanized steel messenger.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

**Insulation****Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

**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	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

**Outer Shield Flooding Grease:** CoreGuard®

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Messenger**

**Messenger Diameter:** .051

**Messenger Material:** Galvanized Steel

**Overall Cabling**

**Overall Nominal Diameter:** 0.298 x 0.433 in.

**Mechanical Characteristics (Overall)**

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

**Bulk Cable Weight:** 40 lbs/1000 ft.

**Max. Recommended Pulling Tension:** 110 lbs.

**Min. Bend Radius (Install)/Minor Axis:** 3 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

**Series Type:** Series 6

**Plenum/Non-Plenum**

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

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

Impedance (Ohm)	Tolerance (Ohms)
75	± 3

## 7979A Coax - Broadband Coax CATV Cable

## Nom. Inductance:

Inductance (μH/ft)
.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)
28.0

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.8

## Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.67
55	1.60
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54

## Max. Operating Voltage - Non-UL:

Voltage
350 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
--------	-------	-------------	-------	-------	-----------

Revision Number: 1    Revision Date: 04-25-2008

© 2008 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.

---

## 7979A Coax - Broadband Coax CATV Cable

All sales of Belden products are subject to Belden's standard terms and conditions of sale.