

## 9116P Coax - CATV Cable

For more Information  
please call

1-800-Belden1

**General Description:**

Series 6, 18 AWG solid .040" bare copper-covered steel conductor, plenum, foam FEP insulation, Duobond® II + aluminum braid shield (60% coverage), Flamarrest® jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

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

Total Number of Conductors: 1

**Insulation**

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.170

**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

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride

**Overall Cable**

Overall Nominal Diameter: 0.235 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +75°C
Bulk Cable Weight:	25 lbs/1000 ft.
Max. Recommended Pulling Tension:	126 lbs.
Min. Bend Radius/Minor Axis:	2.250 in.

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

NEC/(UL) Specification:	CATVP, CMP
CEC/C(UL) Specification:	CMP
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):	04/01/2005
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 6

**Flame Test**

UL Flame Test: NFPA 262

CSA Flame Test:	FT6
-----------------	-----

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
---------------	-----

Non-Plenum Number:	9116, 9116N, 9116R
--------------------	--------------------

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

Impedance (Ohm)
-----------------

75
----

**Nom. Inductance:**

Inductance (µH/ft)
--------------------

.09
-----

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)
---------------------

16.3
------

**Nominal Velocity of Propagation:**

VP (%)
--------

83
----

**Nominal Delay:**

Delay (ns/ft)
---------------

1.24
------

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
--------------------------

28.0
------

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
--------------------------

9
---

**Nom. Attenuation:**

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.66
50	1.6
100	2.2
200	3.0
400	4.6
700	6.6
900	7.7
1000	8.2

**Max. Operating Voltage - 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:	5 MHz - 1 GHz
----------------	---------------

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9116P 010U1000	1,000 FT	27.000 LB	BLACK		#18 FFEP RG6/U FLRST
9116P 010U500	500 FT	14.000 LB	BLACK		#18 FFEP RG6/U FLRST
9116P 0101000	1,000 FT	27.000 LB	BLACK	C	#18 FFEP RG6/U FLRST
9116P 877U1000	1,000 FT	27.000 LB	NATURAL		#18 FFEP RG6/U FLRST
9116P 8771000	1,000 FT	27.000 LB	NATURAL	C	#18 FFEP RG6/U FLRST

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 2    Revision Date: 08-13-2012

© 2015 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.