




5339T5 Coax - Broadband Coax CATV & DBS Cable

<p>Obsolete Call 1-800-BELDEN1</p>		 	<p>For more information please call 1-800-Belden1</p>
--	---	--	--

Description:

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® II and a 50% aluminum braid shield, PVC jacket.

SUITABLE APPLICATIONS:

Suitable Applications DBS Cable, Broadband Coax

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
Series Type	Series 6
AWG	18
Stranding	Solid
Conductor Diameter	.040 in.
Conductor Material	BCCS - Bare Copper Covered Steel

INSULATION:

Insulation Material	Gas-injected FPE - Foam Polyethylene
Insulation Diameter	.180 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	Material	% Coverage (%)
1	Bonded Beldfoil®	Tape	Bonded Aluminum Foil-Polyester Tape	100
2		Braid	AL - Aluminum	50

Outer Shield % Coverage 100 %

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .253 in.

MECHANICAL CHARACTERISTICS:

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

5339T5 Coax - Broadband Coax CATV & DBS Cable

Installation Temperature Range	-30°C To +80°C
Bulk Cable Weight	26 lbs/1000 ft.
Max. Recommended Pulling Tension	100 lbs.
Min. Bend Radius (Install)	1.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CATV, CM
CEC/C(UL) Specification	CM
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	05/25/2005

FLAME TEST:

UL Flame Test	UL1685 UL Loading
CSA Flame Test	FT1

SWEEP TEST:

Sweep Testing	5 MHz - 3 GHz
---------------	---------------

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	1829P

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	75 +/- 3 Ohms
Nom. Inductance	.097 µH/ft
Nom. Capacitance Conductor to Shield	16.2 pF/ft
Nominal Velocity of Propagation	83 %
Nominal Delay	1.2 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	15 Ohms/1000 ft

Minimum Structural Return Loss :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Minimum Structural Return Loss (dB)
		5	1000	20
		1000	2250	15
		2250	3000	10

Max. Attenuation :

5339T5 Coax - Broadband Coax CATV & DBS Cable

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	5			0.67
	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
	1450			8.00
	1800			8.80
	2250			10.0
	3000			11.9

Max. Operating Voltage - UL :

UL Voltage	Description
300V RMS	CM

Revision Number: 6 Revision Date: 02-21-2007

© Copyright 2006 Belden, Inc
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan-2003);Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb-2003). 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 the 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.