



Product: [1505ANH](#) 

COAX RG59/U LSZH-C HDTV PRECISION VIDEO

Product Description

COAX [0.8/3.7] RG59/U LSZH-C HDTV CLASSICS PRO

Technical Specifications

Product Overview

Suitable Applications:	Low loss HDTV/SDI Digital coax used in analog and digital video circuits and high quality applications; The cable is UV-resistant and suitable for indoor and outdoor use
------------------------	---

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
20	Solid	BC - Bare Copper	0.81 mm	0.03 mm	1

Conductor Count:	1
------------------	---

Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene (Foam)	3.68 mm	0.15 mm

Outer Shield Material

Type	Layer	Material	Coverage [%]	Min. Overlap	Nominal Diameter	Coverage +/- Tolerance
Tape	1	Tri-Laminate (Alum+Poly+Alum)	100%	2 mm		
Braid	2	Tinned Copper (TC)	95%		4.4 mm	5%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
LSZH - Low Smoke Zero Halogen (Flame Retardant)	5.92 mm	0.2 mm

Table Notes:	According to European Standard EN 50290-2-20
--------------	--

Construction and Dimensions

Min Elongation at Breakof Jacket:	125 %
Min Tensile Strength of Jacket:	9 MPa

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
32 Ohm/km	12 Ohm/km

Capacitance

Nom. Capacitance	Capacitance Tolerance
53 pF/m	2 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
75 Ohm	3 Ohm

Return Loss (RL)

Frequency [MHz]	Minimum Return (RL)
5 - 1600 MHz	23 dB
1600 - 4500 MHz	21 dB
4500 - 6000 MHz	15 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	1 dB/100m
3.6 MHz	2 dB/100m
10 MHz	3 dB/100m
71.5 MHz	6.9 dB/100m
135 MHz	8.9 dB/100m
270 MHz	12.5 dB/100m
360 MHz	14.4 dB/100m
540 MHz	18.1 dB/100m
720 MHz	21.0 dB/100m
750 MHz	21.3 dB/100m
1000 MHz	24.9 dB/100m
1500 MHz	31.2 dB/100m
2250 MHz	39.0 dB/100m
3000 MHz	45.9 dB/100m
4500 MHz	57.4 dB/100m
6000 MHz	69.2 dB/100m

Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]	Velocity of Propagation Tolerance
400 ns/ft	83%	2%

Voltage

Voltage Test Dielectric
2.0 kV DC

Temperature Range

Installation Temp Range:	-5°C To +50°C
Storage Temp Range:	-30°C To +70°C
Operating Temp Range:	-30°C To +70°C

Mechanical Characteristics

Max. Pull Tension:	200 N
Min Bend Radius (W/o Pulling Strength):	60 mm

Standards

CPR Euroclass:	Cca-s1a,d1,a1
CENELEC Compliance:	EN 50117-1
RG Type:	59

Applicable Environmental and Other Programs

Environmental Space:	Indoor - Euroclass Cca
EU RoHS Compliance Date (yyyy-mm-dd):	2005-01-01

Flammability, LS0H, Toxicity Testing

IEC Flammability:	IEC 60332-1-2 and IEC 60332-3-24
Other Flammability:	CEI 20-22-3
LOI of Jacket:	Min. 35 %
IEC 60754-1 (EN50267-1)- Halogen Amount:	Zero
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Max. Conductivity:	2.5 µS/mm
IEC 60754-2 (EN50267-2)- Halogen Acid Gas Amount - Min. pH:	4.3
IEC 61034-2 (EN 61034-2) (VDE 0482-1034) - Smoke Density Min. Transmittance:	80%

Variants

Item #	Color	Putup Type	Length	EAN
1505ANH.00100	Black	Reel	100 m	8719605001344
1505ANH.00305	Black	Reel	305 m	8719605001368
1505ANH.00500	Black	Reel	500 m	8719605001375
1505ANH.001000	Black	Reel	1,000 m	8719605001351
1505ANH.04500	Blue	Reel	500 m	8719605001498
1505ANH.041000	Blue	Reel	1,000 m	8719605001481
1505ANH.02100	Green	Reel	100 m	8719605001429
1505ANH.02305	Green	Reel	305 m	8719605001443
1505ANH.02500	Green	Reel	500 m	8719605001450
1505ANH.021000	Green	Reel	1,000 m	8719605001436
1505ANH.01100	Purple	Reel	100 m	
1505ANH.01305	Purple	Reel	305 m	8719605001405
1505ANH.01500	Purple	Reel	500 m	8719605001412
1505ANH.011000	Purple	Reel	1,000 m	8719605001382
1505ANH.011220	Purple	Reel	1,220 m	8719605001399
1505ANH.051000	Red	Reel	1,000 m	8719605001504
1505ANH.03305	Yellow	Reel	305 m	8719605001474
1505ANH.031000	Yellow	Reel	1,000 m	8719605001467

History

Update and Revision:	Revision Number: 0.193 Revision Date: 03-11-2021
----------------------	--

© 2021 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 here in 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 "ASIS" 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 all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information 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. The 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.