



**Product:** [1505F](#)

75 Ohm SDI Coax, RG-59, 22 AWG Str BC, Double 95% TC Braid, PVC Jkt, CM, Flexible

## Product Description

75 Ohm SDI Coax, RG-59, 22 AWG (7x29) Bare Copper Conductor, PE Insulation, Double 95% Tinned Copper Braid Shield, PVC Jacket, CM, Flexible

## Technical Specifications

### Product Overview

Suitable Applications:	Digital Video, 6 Gb/s UHDTV, HD-SDI 1080p
------------------------	---

### Construction Details

RG Type:	59
----------	----

#### Conductor

AWG	Stranding	Nom. Diameter	Material
22	7x29	0.032 in	BC-C - Bare Copper (Compacted)

#### Insulation

Material	Nom. Diameter
PE - Polyethylene (Foam)	0.145 in

#### Outer Shield Material

Layer	Outer Shield Type	Material	Coverage
1	Braid	Tinned Copper (TC)	95%
2	Braid	Tinned Copper (TC)	95%

#### Outer Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.242 in

### Electrical Characteristics

#### Return Loss (RL)

Frequency [MHz]	Min. Return Loss [dB]
5 - 850 MHz	20 dB
850 - 6000 MHz	15 dB

#### Attenuation

Frequency	Nom. Attenuation [dB/100ft]
1 MHz	0.2 dB/100ft
3.58 MHz	0.5 dB/100ft
5 MHz	0.6 dB/100ft
6 MHz	0.67 dB/100ft
7 MHz	0.73 dB/100ft
10 MHz	0.9 dB/100ft
12 MHz	0.98 dB/100ft
25 MHz	1.44 dB/100ft
55 MHz	2.2 dB/100ft

67.5 MHz	2.4 dB/100ft
71.5 MHz	2.5 dB/100ft
88.5 MHz	2.8 dB/100ft
100 MHz	3 dB/100ft
135 MHz	3.5 dB/100ft
143 MHz	3.6 dB/100ft
180 MHz	4.1 dB/100ft
270 MHz	5.1 dB/100ft
360 MHz	6 dB/100ft
540 MHz	7.5 dB/100ft
720 MHz	8.9 dB/100ft
750 MHz	9.1 dB/100ft
1000 MHz	10.8 dB/100ft
1500 MHz	13.6 dB/100ft
2000 MHz	16.1 dB/100ft
2250 MHz	17.3 dB/100ft
3000 MHz	20.7 dB/100ft
4500 MHz	26.7 dB/100ft
6000 MHz	32.2 dB/100ft

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Impedance
12.2 Ohm/1000ft	2.4 Ohm/1000ft	17.0 pF/ft	75 Ohm

#### Voltage

UL Voltage Rating
300 V (CM)

## Mechanical Characteristics

#### Temperature

UL Rating	Operating
60°C	-35°C to +75°C

#### Bend Radius

Installation Min.
2.4 in

Bulk Cable Weight:	42 lbs/1000ft
Max. Pull Tension:	73 lbs

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	UL1685 UL Loading
NEC / UL Compliance:	CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.322 Revision Date: 08-31-2020
----------------------	--

© 2020 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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Coaxial Cables](#) category:*

*Click to view products by [Belden](#) manufacturer:*

Other Similar products are found below :

[89880-003-1000](#) [633948-877-1000](#) [CY2389-000](#) [8213-010-1000](#) [8221-010-U1000](#) [8233-010-1000](#) [88281-010-500](#) [1322R-010-1000](#) [177799-000](#) [1807A-B59-U1000](#) [9167-010-1000](#) [9251-010-1000](#) [9275-010-U1000](#) [935240-000](#) [9659-010-1000](#) [980704-001](#) [CF2823-000](#) [33312-010-500](#) [CZ1589-000](#) [5022W0809-0CS3263](#) [10610-4-4](#) [EF8108-000](#) [1673B TIN100](#) [672525-001](#) [144517-000](#) [8-1616396-1](#) [8263-010-U1000](#) [8263 010U500](#) [8268-010-500](#) [8262 010U1000](#) [7915A 009U1000](#) [5024A1311-0](#) [TRC-75-1](#) [1281S5 010250](#) [1281S5 000250](#) [1530A 010U1000](#) [1505A 0081000](#) [9248 010U1000](#) [CO-142BNCX200-001](#) [7809WB 010500](#) [9244 0101000](#) [1694A 0081000](#) [9204 0101000](#) [8241F J5C1000](#) [1530A 0101000](#) [1674A TIN50](#) [7915A 0091000](#) [7915A 010500](#) [TWCH-78-2](#) [TWC-78-1](#)