

For more Information
please call

1-800-Belden1



General Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	15	19x27	BC - Bare Copper	.064

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
Gas-injected FHDPE - Foam High Density Polyethylene	.312

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (in.)
PE - Polyethylene	.391

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

Overall Cable

Overall Nominal Diameter: 0.520 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 147 lbs/1000 ft.

Max. Recommended Pulling Tension: 264 lbs.

Min. Bend Radius/Minor Axis: 5.500 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 01/01/2004

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
RG Type:	11/U

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/ft)
0.097

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
17.3

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/ft)
1.30

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.1

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.8

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.4

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1.000	0.100
3.600	0.300
10.000	0.500
71.500	1.200
135.000	1.800
270.000	2.600
360.000	3.100
540.000	3.900
720.000	4.700
750.000	4.800
1000.000	5.700

Max. Operating Voltage - Non-UL:

Voltage
300 V RMS

Other Electrical Characteristic 1: Nominal Capacitance 1st Shield to 2nd Shield: 205 pf/ft.

Other Electrical Characteristic 2: Nominal Voltage Breakdown: 20K V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	21

Sweep Test

Sweep Testing: 100% sweep tested 5 MHz to 850 MHz.

Misc. Information (Overall)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	1,000 FT	154.000 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A B59500	500 FT	80.500 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A 0021000	1,000 FT	154.000 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 002500	500 FT	80.500 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 0041000	1,000 FT	154.000 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 004500	500 FT	80.500 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 0051000	1,000 FT	154.000 LB	GREEN, DARK	C	#15 GIFHLDPE PVC TRIAX
1858A 0061000	1,000 FT	154.000 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX
1858A 006500	500 FT	80.500 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX

Notes:
C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 04-06-2009

© 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.