

For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) .030" bare copper conductor, plenum, foam FEP insulation, bare copper braid shield (95% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	7x30	BC - Bare Copper	0.762

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	3.429

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 4.902 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 47.622 Kg/Km

Max. Recommended Pulling Tension: 311.374 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: 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

MIL Order #39 (China RoHS): Yes

RG Type: 59/U

Flame Test

UL Flame Test: NFPA 262

CSA Flame Test:	FT6
Suitability	
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Plenum/Non-Plenum	
Plenum (Y/N):	Yes
Non-Plenum Number:	9259

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.301852

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
56.7613

Nominal Velocity of Propagation:

VP (%)
78

Nominal Delay:

Delay (ns/m)
4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.5306

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.9843
10	2.9529
50	6.8901
100	9.843
200	14.7645
400	21.6546
700	29.529
900	33.1381
1000	36.091

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89259 010100	100 FT	5.100 LB	BLACK		#22 COAX FEP RG59/U
89259 0101000	1,000 FT	33.000 LB	BLACK	C	#22 COAX FEP RG59/U
89259 010500	500 FT	17.500 LB	BLACK	C	#22 COAX FEP RG59/U

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 09-20-2012

© 2017 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.