Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



82259 Coax - 75 Ohm Coax

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), Flamarrest® jacket.

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Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	22	7x30	BC - Bare Copper	.030

Total Number of Conductors:

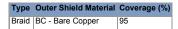
Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.135

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material		
Flamarrest®	LS PVC - Low Smoke Polyvinyl Chloride		

Overall Cable

Overall Nominal Diameter:

0.193 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +75°C
UL Temperature Rating:	75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	65 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

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 RoHS Compliance Date (mm/dd/yyyy): EU Directive 2002/96/EC (WEEE):	04/01/2005 Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2002/96/EC (WEEE): EU Directive 2003/11/EC (BFR):	Yes Yes

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Fla	Flame Test				
	UL Flame Test:	NFPA 262			
Suitability					
	Suitability - Indoor:	Yes			
Plenum/Non-Plenum					
	Plenum (Y/N):	Yes			

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 75

Nom. Inductance:

Inductance (µH/ft) .09

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

78

Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.3
10	.9
50	2.1
100	3.0
200	4.5
400	6.6
700	9.0
900	10.1
1000	11.0

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Operating Voltage - Non-UL:

Voltage 300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82259 877U1000	1,000 FT	31.000 LB	NATURAL		#22 FFEP RG59/U FLMRST
82259 8771000	1,000 FT	31.000 LB	NATURAL	С	#22FFEP RG59/U FLMRST

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-14-2007

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