Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



82108 Coax - CATV Cable

For more Information please call

1-800-Belden1



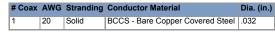
General Description:

Series 59, 20 AWG solid .032" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shield (95% coverage), Flamarrest® jacket.

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (in.)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	.140

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Таре	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	95.000

Outer Jacket

Outer Jacket Material:

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

Overall Cable

Overall Nominal Diameter: 0.202 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
Non-UL Temperature Rating:	75°C
Bulk Cable Weight:	32 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius/Minor Axis:	2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP, CATVP
CEC/C(UL) Specification:	CMP, CXC
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
MII Order #39 (China RoHS):	Yes
RG Type:	59/U
Series Type:	Series 59

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Flame Test	t				
UL Flan	ne Test:	ı	NFPA 262		
CSA EI	ame Test:		FT4, FT6		
		'	114,110		
Plenum/No					
Plenum	ı (Y/N):		Yes		
Flectrical	Characteristics (Overa	II)			
	cteristic Impedance:	••)			
Impedano					
Nom. Induct	ance.				
Inductano					
	itanaa Oandustanta Ohialda				
	itance Conductor to Shield:				
16.5	nce (pF/ft)				
	ocity of Propagation:				
VP (%) 82					
Nominal Del	ay:				
Delay (ns	s/ft)				
Nom. Condu	ictor DC Resistance:				
DCR @ 2 26.0	0°C (Ohm/1000 ft)				
Nominal Out	ter Shield DC Resistance:				
	0°C (Ohm/1000 ft)				
Nom. Attenu	lation:				
	Hz) Attenuation (dB/100 ft.)				
10	.8				
50	1.8				
100	2.6				
200	3.7				
400	5.4				
700	7.3				
900	8.4				
1000	8.9				
Max. Attenua					
	lz) Attenuation (dB/100 ft.)				
10	.92				
50	2.1				
100 200	2.9				
400	5.9				
700	7.9				
900	9.0				
1000	9.4				
Max Operati	ing Voltage - UL:				
Voltage	gg. 0				
300 V RM	IS				
Other E	lectrical Characteristic 1:	1	Max Attenuation 10 MHz and above = 0.2856*Freq(MHz)^0.5065		
	ructural Return Loss:				
Descripti		Hz) Stop Freq. (MHz) Min. SRL	L (dB)		
	10	400 20			
Sweep Tes	st				
	Testing:	,	10 - 400 MHz		
Misc. Information (Overall)					
Notes (Ov	Notes (Overall)				
	o. anj				

 $\textbf{Notes:} \ \ \mathsf{Teflon} \\ \\ \mathsf{B} \ \mathsf{is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc. \\ \\ \mathsf{Co. used under license by Belden, Inc. } \\ \mathsf{Co. used under$

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82108 877U1000	1,000 FT	34.000 LB	NATURAL		#20 FFEP RG 59/U FLRST
82108 8771000	1,000 FT	34.000 LB	NATURAL	С	#20 FFEP RG-59/U FLRST

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-24-2012

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