# **Detailed Specifications & Technical Data**





### 89108 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), FEP jacket.

Du	OTOII®	(100% C	overage) +	IC braid s	nield (959	% cover
-		haracteris	tics (Overall)			
	nductor WG:					
	# Coax		ing Conductor M		Dia. (mm)	
	1	20 Solid	BCCS - Bare	Copper Covered S	teel 0.8128	]
	Total Nur	mber of Cond	luctors:		1	
	ulation	Motorial				
In	Insulation M		e Insulation Mate	erial	Di	a. (mm)
	Teflon®		FFEP - Foam F	luorinated Ethylene	e Propylene 3.8	56
Out	ter Shield	d				
0		d Material:				<b>0</b> ((1))
	Layer #	Duofoil®		e Outer Shield M Aluminum Foil-f		Coverage (%) 100.000
	2			id TC - Tinned Co		95.000
Out	ter Jacke	et	1			
		et Material:				
	Outer Ja Teflon®	acket Trade N	ame Outer Jacke	et Material nated Ethylene Pro	nulana	
	Tellon®		FEP - FIUOIII	Tated Ethylene Pro	pyiene	
Ove	erall Cab					
	Overall N	Nominal Diam	eter:		5.1	56 mm
Mec	hanical	l Characte	ristics (Overa	all)		
	Operating	g Temperatur	re Range:		-70	°C To +200°C
	Non-UL 1	Temperature	Rating:		20	0°C
	Bulk Cab	ole Weight:			50.	599 Kg/Km
	Max. Rec	commended F	Pulling Tension:		444	4.820 N
	Min. Ben	d Radius/Min	or Axis:		50.	800 mm
	Perch	0				
			tions and Age & Environmenta	ency Complia	ince (Overa	<b>III)</b>
796		) Specificatio		arriogramo	CA	TVP, CMP
		L) Specificati			CN	
		tive 2011/65/E			Ye	
	EU CE M				No	
		tive 2000/53/E	. ,		Ye	
	EU Direc	tive 2002/95/8	EC (RoHS):		Ye	3
	EU RoHS	S Compliance	Date (mm/dd/yyy	/y):	04/	01/2005
-	EU Direc	tive 2002/96/E	EC (WEEE):		Ye	3
	EU Direc	tive 2003/11/E	EC (BFR):		Ye	\$
	CA Prop	65 (CJ for Wi	re & Cable):		Ye	3
	MII Order	r #39 (China F	RoHS):		Ye	3
	RG Type	:			59/	U
	Series Ty					ries 59
	20.00 19				00	

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## METRIC MEASUREMENT VERSION



### 89108 Coax - CATV Cable

Flame Test												
CSA Flam	e Test:	FT6										
Diamum /Nam	Diamum											
Plenum/Non-												
Plenum (Y	/N):	Yes										
Electrical Cl	aractariatica (Ova	roll)										
	naracteristics (Over ristic Impedance:	ranj										
Impedance	(Onm)											
75												
Nom. Inductan	ce:											
Inductance	(μH/m)											
0.29529												
Nom. Capacita	Nom. Capacitance Conductor to Shield:											
Capacitance (pF/m)												
54.1365												
Nominal Velocity of Propagation:												
VP (%)												
82	82											
Nominal Delay:	Nominal Delay:											
Delay (ns/m)												
4.06844												
Nom Conduct	Dr DC Resistance:											
DCR @ 20°C												
85.306												
	Nominal Outer Shield DC Resistance:											
DCR @ 20°0	(Ohm/km)											
8.5306												
Nom. Attenuati	on:											
Freq. (MHz)	Attenuation (dB/100m)											
10	2.2967											
50	5.9058											
100	8.5306											
200	12.1397											
400	17.7174											
700	23.9513											
900	27.5604											
1000	29.2009											
Max. Attenuatio												
	Attenuation (dB/100m)											
10	3.01852											
50	6.8901											
100	9.5149											
200	13.7802											
400	19.3579											
700	25.9199											
900	29.529											
1000	30.8414											
Max. Operating	Voltage - UL:											
Voltage												
300 V RMS												
	trical Characteristic 1:	Max Attenuation 10 MHz and above = 0.2856*Freq(MHz)^0.5065										
	tural Return Loss:											
Description		(MHz) Stop Freq. (MHz) Min. SRL (dB)										
	10	400 20										
Sweep Test												
Sweep Te	sung.	10 - 400 MHz										
Misc Inform	ation (Overall)											
Notes (Over	all)											
Notes: Te	flon® is a registered trade	mark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.										
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#### METRIC MEASUREMENT VERSION



#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89108 0101000	1,000 FT	36.000 LB	BLACK	С	#20 FFEP SH FEP
89108 010500	500 FT	18.500 LB	BLACK	С	#20 FFEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

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