# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1189A Coax - Broadband CATV Coax Cable

For more Information please call

1-800-Belden1



### **General Description:**

18 AWG solid .040" bare copper-covered steel conductor, gas-injected foam polyethylene insulation, Duobond® IV quad shield (60% and 40% coverage), PVC jacket.

### **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	18	Solid	BCCS - Bare Copper Covered Steel	.040

Total Number of Conductors:

#### Insulation

#### **Insulation Material:**

Insulation Material	Dia. (in.)
Gas-injected FPE - Foam Polyethylene	.180

#### **Outer Shield**

#### **Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	AL - Aluminum	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	AL - Aluminum	40

### **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

### **Overall Cable**

Overall Nominal Diameter: 0.294 in.

### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Bulk Cable Weight:	29 lbs/1000 ft.
Max. Recommended Pulling Tension:	162 lbs.
Min. Bend Radius/Minor Axis:	3 in.

## **Applicable Specifications and Agency Compliance (Overall)**

### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes

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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
Series Type:	Series 6
Flame Test	
UL Flame Test:	UL1685 UL Loading
Plenum/Non-Plenum	
Plenum (Y/N):	No
Plenum Number:	1189AP

### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



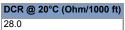
Nominal Velocity of Propagation:



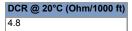
**Nominal Delay:** 



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	.67
55	1.60
211	2.87
270	3.24
300	3.43
350	3.72
400	4.00
450	4.26
550	4.71
750	5.59
870	6.00
1000	6.54

Max. Operating Voltage - UL:



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#### Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
		5	1000	20

#### **Sweep Test**

Sweep Testing: 5 MHz - 1 GHz

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1189A 009U1000	1,000 FT	34.000 LB	WHITE		#18 GIFHDLDPE DBL SH PVC
1189A 009U500	500 FT	18.000 LB	WHITE		#18 GIFHDLDPE DBL SH PVC
1189A 0091000	1,000 FT	34.000 LB	WHITE	С	#18 GIFHDLDPE DBL SH PVC
1189A 010U1000	1,000 FT	34.000 LB	BLACK		#18 GIFHDLDPE DBL SH PVC .
1189A 010U500	500 FT	18.000 LB	BLACK		#18 GIFHDLDPE DBL SH PVC
1189A 0101000	1,000 FT	34.000 LB	BLACK		#18 GIFHDLDPE DBL SH PVC .
1189A 0105000	5,000 FT	185.000 LB	BLACK		#18 GIFHDLDPE DBL SH PVC
1189A 2901000	1,000 FT	34.000 LB	BEIGE, LIGHT		#18 GIFHDLDPE DBL SH PVC

#### Notes:

C = CRATE REEL PUT-UP.

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