# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 9058 Coax - CATV Cable

For more Information please call

1-800-Belden1



## **General Description:**

Series 6, 18 AWG solid .040" bare copper-covered steel conductor(s), gas-injected foam polyethylene insulation, Duobond Plus® + aluminum braid shield (75% 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 Ty		Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Tape	Bonded Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	AL - Aluminum	75.000
3		Tape	Bonded Aluminum Foil-Polyester Tape w/Shorting Fold	100.000

#### **Outer Jacket**

## **Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cable**

Overall Nominal Diameter: 0.275 in.

## **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-40°C To +80°C
Non-UL Temperature Rating:	80°C
Bulk Cable Weight:	28 lbs/1000 ft.
Max. Recommended Pulling Tension:	138 lbs.
Min. Bend Radius/Minor Axis:	2.750 in.

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

## **Applicable Standards & Environmental Programs**

CEC/C(UL) Specification:  EU Directive 2011/65/EU (ROHS II):  Yes  EU CE Mark:  Yes	CATV, CM		
EU CE Mark: Yes			
FU Directive 2000/F2/FC /FLVV			
EU Directive 2000/53/EC (ELV): Yes			

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Plenum (Y/N):	No
Plenum/Non-Plenum	
UL Flame Test:	UL1685 UL Loading
Flame Test	
Series Type:	Series 6
MII Order #39 (China RoHS):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2002/96/EC (WEEE):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/95/EC (RoHS):	Yes

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



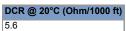
Nominal Delay:



Nom. Conductor DC Resistance:



**Nominal Outer Shield DC Resistance:** 



Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
5	0.67
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:



**Minimum Structural Return Loss:** 

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

#### **Notes (Overall)**

Notes: Sweep tested 5 MHz to 1 GHz.

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9058 009U1000	1,000 FT	29.000 LB	WHITE		#18 GIFHDLDPE SH FS PVC
9058 010U1000	1,000 FT	29.000 LB	BLACK		#18 GIFHDLDPE SH FS PVC
9058 0101000	1,000 FT	29.000 LB	BLACK		#18 GIFHDLDPE SH FS PVC
9058 290U1000	1,000 FT	31.000 LB	BEIGE, LIGHT		#18 GIFHDLDPE SH FS FRPVC

Revision Date: 09-24-2012 Revision Number: 2

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