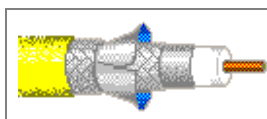


**9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet**



For more Information  
please call  
  
1-800-Belden1



**Description**

12 AWG solid .086" bare copper conductor, foam polyethylene insulation, Duobond IV® quad shield (100% coverage), PVC jacket.

**Suitable Applications (Overall):**

Suitable Applications Thick Ethernet

**Physical Characteristics (Overall):**

**Conductor:**

AWG

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	12	Solid	BC - Bare Copper	0.086

**Insulation:**

Insulation Material

Ins Material	Dia. (in.)
FPE - Foam Polyethylene	0.243

**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	TC - Tinned Copper	94
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	TC - Tinned Copper	90

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cabling:**

Overall Nominal Diameter: .405 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-40°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 1478)
Bulk Cable Weight:	113 lbs/1000 ft.
Max. Recommended Pulling Tension:	255 lbs.
Min. Bend Radius (Install):	4 in.

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

**Applicable Standards:**

NEC/UL) Specification	CM, CL2
CEC/C(UL) Specification	CM
AWM Specification	UL Style 1478 (30 V 60°C)
IEEE Specification	IEEE802.3 10Base5
IEC Specification	ISO8802.3 10Base5

**9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet**

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	01/01/2004
Customer Part Number Reference Specification	DEC Part No. 17-00451-00

**Flame Test:**

UL Flame Test	UL1685 UL Loading
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**Plenum/Non-Plenum:**

Plenum (Y/N)	N
Plenum Number	89880

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

<b>Impedance (Ohm)</b>
50 +/- 2

Nom. Inductance

<b>Inductance (µH/ft)</b>
0.065

Nom. Capacitance Conductor to Shield

<b>Capacitance (pF/ft)</b>
26.000

Nominal Velocity of Propagation

<b>VP (%)</b>
78

Nominal Delay

<b>Delay (ns/ft)</b>
1.300

Nom. Conductor DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.420

Max. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.190
	5.000			0.370
	10.000			0.520
	50.000			1.200
	100.000			1.700
	200.000			2.550
	400.000			3.900
	700.000			5.500
	900.000			6.500
	1000.000			6.900
	1500.000			8.500
	2000.000			10.100
	2500.000			11.500
	3000.000			13.000

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS
30 V RMS (UL AWM Style 1478)

Max. Operating Voltage - Non-UL

<b>Voltage</b>
300 V RMS

Nominal Outer Shield DC Resistance

**9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.520

**Notes (Overall):**

Notes Ringband stripes every 2.5 meters to aid users in tap placement.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
9880 0041000	1,000 FT	131.000 LB	YELLOW	C	11H 50 OHM TRUNK CABLE YEL
9880 0041640	1,640 FT	219.760 LB	YELLOW	C	11H 50 OHM TRUNK CABLE YEL
9880 004500	500 FT	66.000 LB	YELLOW	C	11H 50 OHM TRUNK CABLE YEL

**Notes:**

C = CRATE REEL PUT-UP.

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

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