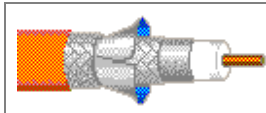


**89880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet**



For more Information  
please call  
  
1-800-Belden1



**Description**

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

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	0.245

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

**Outer Jacket:**

Outer Jacket Material

Outer Jacket Material
PVDF - Fluorocopolymer

**Overall Cabling:**

Overall Nominal Diameter: .375 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-25°C To +150°C
UL Temperature Rating	150°C
Bulk Cable Weight:	137 lbs/1000 ft.
Max. Recommended Pulling Tension:	255 lbs.
Min. Bend Radius (Install)/Minor Axis:	6 in.

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

**Applicable Standards:**

NEC/(UL) Specification	CMP, CL2P
CEC/C(UL) Specification	CMP
IEEE Specification	IEEE802.3 10Base5
EU CE Mark (Y/N)	Yes

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EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005
Customer Part Number Reference Specification	DEC Part No. 17-00324-00

**Flame Test:**

UL Flame Test	NFPA 262
CSA Flame Test	FT6

**Suitability:**

Suitability - Outdoor	Yes
Suitability - Burial	Yes

**Plenum/Non-Plenum:**

Plenum (Y/N)	Y
Non-Plenum Number	9880

**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

Nominal Outer Shield DC Resistance

<b>DCR @ 20°C (Ohm/1000 ft)</b>
1.520

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	1.000			0.180
	5.000			.37 max
	10.000			.52 max
	50.000			1.150
	100.000			1.650
	200.000			2.450
	400.000			3.800
	700.000			5.600
	900.000			6.800
	1000.000			7.200

Max. Power Rating

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Rating (W)
	1.000			15900.000
	5.000			6928.000
	10.000			4802.000
	50.000			1992.000

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	100.000			1344.000
	200.000			900.000
	400.000			602.000
	700.000			438.000
	900.000			382.000
	1000.000			361.000

Max. Operating Voltage - UL

<b>Voltage</b>
300 V RMS

Max. Operating Voltage - Non-UL

<b>Voltage</b>
300 V RMS

**Notes (Overall):**

Notes Ring-band stripes every 2.5 meters to aid users in tap placement.

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89880 0031000	1,000 FT	134.000 LB	ORANGE	C	#11H FFEP SH SOL COAX ORG
89880 0031640	1,640 FT	224.680 LB	ORANGE	C Z	#11H FFEP SH SOL COAX ORG

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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

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