

9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

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

SUITABLE APPLICATIONS:

Suitable Applications	Thick Ethernet
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PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Coax	1
Total Number of Conductors	1
AWG	12
Stranding	Solid
Conductor Diameter	.086 in.
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FPE - Foam Polyethylene
Insulation Diameter	.243 in.

OUTER SHIELD:

Outer Shield Material Trade Name	Duobond® IV
Outer Shield Type	Tape/Braid/Tape/Braid

Outer Shield Material :

Layer Number	Trade Name	Type	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 Shield % Coverage	100 %
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	.405 in.
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MECHANICAL CHARACTERISTICS:

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:

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
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:

Nom. Characteristic Impedance	50 +/- 2 Ohms
Nom. Inductance	.065 µH/ft
Nom. Capacitance Conductor to Shield	26.0 pF/ft
Nominal Velocity of Propagation	78 %
Nominal Delay	1.3 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	1.42 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg.C	1.52 Ohms/1000 ft
Max. Attenuation :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 ft.)
	1			.19
	5			.37
	10			.52
	50			1.2
	100			1.7
	200			2.55
	400			3.9
	700			5.5
	900			6.5
	1000			6.9
	1500			8.5
	2000			10.1
	2500			11.5
	3000			13.0

Max. Operating Voltage - UL 300 V RMS, 30 V RMS (UL AWM Style 1478)

Max. Operating Voltage - Non-UL 300 V RMS

NOTES:

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9880 0041000	11H 50 OHM TRUNK CABLE	1000	131	YELLOW	C
9880 0041640	11H 50 OHM TRUNK CABLE	1640	219.76	YELLOW	C
9880 004500	11H 50 OHM TRUNK CABLE	500	66	YELLOW	C

C = CRATE REEL PUT-UP.

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