



**89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet**

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

20 AWG stranded (19x32) .037" tinned copper conductor, foam FEP insulation, Duobond® II (100% coverage) plus a tinned copper braid shield (93% coverage), fluorocopolymer jacket.

**SUITABLE APPLICATIONS:**

Suitable Applications	Thin Ethernet
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**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Coax	1
Total Number of Conductors	1
RG Type	58A/U
AWG	20
Stranding	19x32
Conductor Diameter	.037 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	FFEP - Foam Fluorinated Ethylene Propylene
Insulation Diameter	.095 in.

**OUTER SHIELD:**

Outer Shield Material Trade Name	Duobond® II
Outer Shield Type	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	93

Outer Shield % Coverage	100 %
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**OUTER JACKET:**

Outer Jacket Material	PVDF - Fluorocopolymer
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**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.160 in.
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +150°C
UL Temperature Rating	150°C
Bulk Cable Weight	25 lbs/1000 ft.
Max. Recommended Pulling Tension	45 lbs.
Min. Bend Radius (Install)	1.8 in.

### APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

#### APPLICABLE STANDARDS:

NEC/(UL) Specification	CMP, CL2P
CEC/C(UL) Specification	CMP
IEEE Specification	IEEE802.3 10Base2
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Customer Part Number Reference Specification	DEC Part No. 17-01246-00

#### FLAME TEST:

UL Flame Test	NFPA 262
CSA Flame Test	FT6

#### SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes

#### PLENUM/NON-PLENUM:

Plenum (Y/N)	Y
Non-Plenum Number	9907

### ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	50 +/- 2 Ohms
Nom. Inductance	.0635 µH/ft
Nom. Capacitance Conductor to Shield	25.4 pF/ft
Nominal Velocity of Propagation	80 %
Nominal Delay	1.27 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20°C	5.8 Ohms/1000 ft
Maximum Loop Resistance	15.24 Ohms/1000 ft
Nom. Attenuation :	

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.43
	10			1.3
	50			2.91
	100			4.18
	200			6.1
	400			9.2
	700			12.9
	900			15.0
	1000			16.0

Max. Power Rating :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Power Rating (W)
	1			6450
	2			4500
	10			1850
	20			1400
	50			890
	100			640
	200			470
	400			360
	700			290
	900			270
	1000			260

Max. Operating Voltage - UL 300 V RMS

**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
89907 E4X1000	#20 FPFA BRD SLF COAX	1000	22	GRAY, LIGHT DEC	C
89907 E4X2500	#20 FPFA BRD SLF COAX	2500	60	GRAY, LIGHT DEC	C Z
89907 E4X500	#20 FPFA BRD SLF COAX	500	11	GRAY, LIGHT DEC	C

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: 1      Revision Date: 09-09-2005

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