

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

For more Information  
please call

1-800-Belden1



### 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.

### Usage (Overall)

Suitable Applications: Thin Ethernet

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (in.)
1	20	19x32	TC - Tinned Copper	.037

#### Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FFEP - Foam Fluorinated Ethylene Propylene	.095

#### 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	93

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVDF - Fluorocopolymer

#### Overall Cabling

Overall Nominal Diameter: 0.160 in.

### Mechanical Characteristics (Overall)

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)/Minor Axis: 1.800 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP, CL2P

CEC/C(UL) Specification: CMP

IEEE Specification: IEEE802.3 10Base2

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

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EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Customer Part Number Reference Specification:	DEC Part No. 17-01246-00
RG Type:	58AU

### Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)	Tolerance (Ohms)
50	+/- 2

### Nom. Inductance:

Inductance (µH/ft)
.0635

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
25.4

### Nominal Velocity of Propagation:

VP (%)
80

### Nominal Delay:

Delay (ns/ft)
1.27

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
8.8

### Maximum Loop Resistance:

Resistance (Ohm/1000 ft)
15.24

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.8

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100 ft.)
1	.43
10	1.3
50	2.91
100	4.18

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

200	6.1
400	9.2
700	12.9
900	15.0
1000	16.0

**Max. Power Rating:**

Freq. (MHz)	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:**

Voltage
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89907 E4X1000	1,000 FT	22.000 LB	GRAY, LIGHT DEC	C	#20 FPFA BRD SLF COAX
89907 E4X2500	2,500 FT	60.000 LB	GRAY, LIGHT DEC	C Z	#20 FPFA BRD SLF COAX
89907 E4X500	500 FT	11.000 LB	GRAY, LIGHT DEC	C	#20 FPFA BRD SLF COAX

**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.

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