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1-800-Belden1



### General 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. (mm)
1	20	19x32	TC - Tinned Copper	0.9398

**Total Number of Conductors:** 1

#### Insulation

**Insulation Material:**

Insulation Material	Dia. (mm)
FFEP - Foam Fluorinated Ethylene Propylene	2.413

#### 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 Cable

**Overall Nominal Diameter:** 4.064 mm

### Mechanical Characteristics (Overall)

**Operating Temperature Range:** -20°C To +150°C

**UL Temperature Rating:** 150°C

**Bulk Cable Weight:** 32.740 Kg/Km

**Max. Recommended Pulling Tension:** 200.169 N

**Min. Bend Radius/Minor Axis:** 44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

**NEC/(UL) Specification:** CL2P, CMP

**CEC/C(UL) Specification:** CMP

**EU Directive 2011/65/EU (ROHS II):** Yes

**IEEE Specification:** IEEE802.3 10Base2

EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
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:	58A/U

### 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/m)
0.208344

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
83.3374

### Nominal Velocity of Propagation:

VP (%)
80

### Nominal Delay:

Delay (ns/m)
4.16687

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
28.8728

### Maximum Loop Resistance:

Resistance (Ohm/km)
50.0024

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
19.0298

### Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.41083

## METRIC MEASUREMENT VERSION

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

10	4.2653
50	9.54771
100	13.7146
200	20.0141
400	30.1852
700	42.3249
900	49.215
1000	52.496

#### 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	24.000 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	13.000 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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