Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

For more Information please call

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:

ı	# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
ľ	1	20	19x32	TC - Tinned Copper	0.9398

Total Number of Conductors:

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Туре	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)

Min. Bend Radius/Minor Axis:	44.450 mm		
Max. Recommended Pulling Tension:	200.169 N		
Bulk Cable Weight:	32.740 Kg/Km		
UL Temperature Rating:	150°C		
Operating Temperature Range:	-20°C To +150°C		

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

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	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
Fla	ame Test	
	UL Flame Test:	NFPA 262
	CSA Flame Test:	FT6
Su	itability	
	Suitability - Indoor:	Yes
	Suitability - Outdoor:	Yes
Ple	enum/Non-Plenum	
	Plenum (Y/N):	Yes
	Non-Plenum Number:	9907

Electrical Characteristics (Overall)

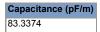
Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



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

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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	305 MT	10.886 KG	GRAY, LIGHT DEC	С	#20 FPFA BRD SLF COAX
89907 E4X2500	762 MT	27.216 KG	GRAY, LIGHT DEC	CZ	#20 FPFA BRD SLF COAX
89907 E4X500	152 MT	5.897 KG	GRAY, LIGHT DEC	С	#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.

Revision Number: 2 Revision Date: 09-25-2012

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