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.

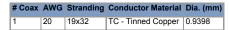
Usage (Overall)

Suitable Applications: Thin Ethernet

Physical Characteristics (Overall)

Conductor

AWG:



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	Type	Outer Shield Material	Coverage (%)
1	Bonded Duofoil®	Таре	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
	•

Page 1 of 3 04-18-2017

Detailed Specifications & Technical Data





89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

	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:

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

Nom. Inductance:



Nom. Capacitance Conductor to Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km))
28.8728	1

Maximum Loop Resistance:



Nominal Outer Shield DC Resistance:



Nom. Attenuation:

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

Page 2 of 3 04-18-2017

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



89907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet

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	С	#20 FPFA BRD SLF COAX
89907 E4X2500	2,500 FT	60.000 LB	GRAY, LIGHT DEC	CZ	#20 FPFA BRD SLF COAX
89907 E4X500	500 FT	13.000 LB	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

© 2017 Belden, Inc All Rights Reserved

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information as specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product tiself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

Page 3 of 3 04-18-2017