Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

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

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 Cabling

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:	37.205 Kg/Km
Max. Recommended Pulling Tension:	200.169 N
Min. Bend Radius (Install)/Minor Axis:	45.720 mm

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

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
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

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89907 E4X1000	305 MT	9.979 KG	GRAY, LIGHT DEC	C	#20 FPFA BRD SLF COAX
89907 E4X2500	762 MT	27.216 KG	GRAY, LIGHT DEC	C Z	#20 FPFA BRD SLF COAX
89907 E4X500	152 MT	4.990 KG	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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