

82907 Coax - 50 Ohm Ethernet Coax

For more Information
please call

1-800-Belden1

**General Description:**

Thinnet 10Base2, 20 AWG stranded (19x32) .037" tinned copper conductor, plenum Ethernet, FPFA insulation, Duobond® II + overall TC braid shield (93% coverage), Flammarrest® 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

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
FPFA - Foam Perfluoroalkoxy	.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 Trade Name	Outer Jacket Material
Flammarrest®	LS PVC - Low Smoke Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.160 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	0°C To +75°C
UL Temperature Rating:	75°C
Bulk Cable Weight:	22 lbs/1000 ft.
Max. Recommended Pulling Tension:	45 lbs.
Min. Bend Radius/Minor Axis:	1.750 in.

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):	04/01/2006
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
RG Type:	58A/U

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

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
200	6.1
400	9.2
700	12.9

900	15.0
1000	16.0

Max. Operating Voltage - UL:

Voltage
300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
82907 877U1000	1,000 FT	23.000 LB	NATURAL	O	#20 FPFA BRD FLMRST
82907 8771000	1,000 FT	23.000 LB	NATURAL	C Z	#20 FPFA BRD FLMRST
82907 8772500	2,500 FT	57.500 LB	NATURAL	C Z	#20 FPFA BRD FLMRST
82907 877500	500 FT	12.500 LB	NATURAL	C Z	#20 FPFA BRD FLMRST

Notes:

C = CRATE REEL PUT-UP.

O = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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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