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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), Flamarrest® 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
Flamarrest®	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/(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.

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