



REPRESENTATIVE IMAGE

**Product:** [89907](#)

Thinnet 10BASE2, RG-58A/U Type, #20 Str, FFEP, Duobond II+TC Braid, PVDF Jkt, CMP

### Product Description

IEEE 802.3 Ethernet Thinnet 10BASE2, 20 AWG (19x32) tinned copper conductor, foam FEP insulation, Duobond® II (100% coverage) + tinned copper braid shield (95% coverage), fluorocopolymer jacket, CMP

### Technical Specifications

#### Product Overview

Suitable Applications:	Thin Ethernet (IEEE 802.3 10BASE2)
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#### Construction Details

RG Type:	58
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#### Conductor

Size	Stranding	Nom. Diameter	Material
20 AWG	19x32	0.037 in	TC - Tinned Copper

#### Insulation

Material	Nom. Insulation Diameter
FEP - Fluorinated Ethylene Propylene (Foam)	0.095 in (2.4 mm)

#### Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duobond® II	100%
2	Braid	Tinned Copper (TC)		95%

#### Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.160 in (4.06 mm)

#### Electrical Characteristics

##### Attenuation

Frequency	Nom. Attenuation
1 MHz	0.43 dB/100ft
10 MHz	1.3 dB/100ft
50 MHz	2.91 dB/100ft
100 MHz	4.18 dB/100ft
200 MHz	6.1 dB/100ft
400 MHz	9.2 dB/100ft
700 MHz	12.9 dB/100ft
900 MHz	15.0 dB/100ft
1000 MHz	16.0 dB/100ft

##### Power Rating

Frequency	Max. Power Rating
1 MHz	6,450 W

10 MHz	1,850 W
50 MHz	890 W
100 MHz	640 W
200 MHz	470 W
400 MHz	360 W
700 MHz	290 W
900 MHz	270 W
1,000 MHz	260 W

#### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
9.5 Ohm/1000ft (31 Ohm/km)	3.7 Ohm/1000ft (12 Ohm/km)	26.0 pF/ft (85.3 pF/m)	50 Ohm	79%

#### Voltage

UL Voltage Rating
300 V (CMP)

## Mechanical Characteristics

#### Temperature

UL Temperature	Operating
150°C	-15°C to +150°C

#### Bend Radius

Installation Min.
1.6 in

Max. Pull Tension:	36 lbs (16 kg)
Bulk Cable Weight:	22 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor - Plenum
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	CMP, CL2P
CEC / C(UL) Compliance:	CMP
IEEE Compliance:	802.3 10Base2
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	DEC Part No. 17-01246-00
Non-Plenum Number:	9907

## History

Update and Revision:	Revision Number: 0.328 Revision Date: 12-15-2021
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#### Variants

Item #	Color	Putup Type	Length	UPC
89907 E4X500	Gray, Light Dec	Reel	500 ft	612825221449
89907 E4X1000	Gray, Light Dec	Reel	1,000 ft	612825221425
89907 E4X2500	Gray, Light Dec	Reel	2,500 ft	612825221432

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