



Product: [9907](#)



Thinnet 10BASE2, #20, FPO, Duobond II+TC Braid, PVC Jkt, CM

### Product Description

IEEE 802.3 Ethernet Thinnet 10BASE2, 20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, Duobond® II (100% coverage) + an overall tinned copper braid shield (93% coverage), PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	Thin Ethernet
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#### Construction Details

RG Type:	58
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#### Conductor

Element	No. of Elements	Size	Stranding	Nom. Diameter	Material
Coax(es)	1	20 AWG	19x32	0.037 in	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code	Notes
Coax(es)	PE - Polyethylene (Foam)	0.102 in (2.59 mm)	White	HDPE

#### Outer Shield

Layer	Outer Shield Type	Material	Material Trade Name	Coverage
1	Tape	Tri-Laminate (Alum+Poly+Alum)	Duofoil®	100%
2	Braid	Tinned Copper (TC)		93%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.185 in (4.70 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	4.2 dB/100ft
200 MHz	6.1 dB/100ft
400 MHz	8.9 dB/100ft
700 MHz	12.1 dB/100ft
900 MHz	13.9 dB/100ft
1000 MHz	14.8 dB/100ft

##### Electricals

Nom. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Delay Skew
8.8 Ohm/1000ft	5.8 Ohm/1000ft (19 Ohm/km)	25.4 pF/ft (83.3 pF/m)	50 Ohm	80%	80 ns/100m

## Voltage

### UL Voltage Rating

300 V RMS, 30 V RMS

Electrical Characteristics Notes: UL AWM 1354: 30 V RMS

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
75°C	-40°C To +80°C

### Bend Radius

Stationary Min.	Installation Min.
1.85 in (47.0 mm)	1.85 in (47.0 mm)

Max. Pull Tension: 54 lbs (24 kg)

Bulk Cable Weight: 23 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CL2, CM
AWM Compliance:	AWM 1354
CEC / C(UL) Compliance:	CM
IEEE Compliance:	IEEE 802.3 10Base2
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	DEC Part No. 17-01248-00, ISO8802.3 10Base2
Plenum Number:	82907, 89907

## Product Notes

Notes: Tape to bond at overlap area only. Tape is not designed to bond to dielectric core.//PF\_9907 (1)# Elements@Conductor1:-In Stibo it was Blank and now changed it to 1. (2)Size@Conductor1 :-In Stibo it was 20 now changed to 20 AWG (3)Color@Color Chart1 01 :- In stibo it was Blank now Changed to White (4)Coverage@OuterShield1 2 - in stibo it was 80% Now changed to 81% (5)Cable diameter- it was blank now changed to 0.185 in (6)Nominal Diameter@ Outer Jacket1 3- In Stibo it was 0.279 in Now Changed to Blank

## History

Update and Revision: Revision Number: 0.497 Revision Date: 05-31-2023

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC/EAN	Footnote
9907.00152	Gray	Reel	152 m	8719605023483	
9907.00305	Gray	Reel	305 m	8719605023490	
9907.00U305	Gray	Reel	305 m	8719605023513	
9907 E4X500	Gray	Reel	500 ft	612825260561	
9907.00500	Gray	Reel	500 m	8719605023506	
9907 E4X1000	Gray	Reel	1,000 ft	612825260523	C
9907 E4XU1000	Gray	UnReel	1,000 ft	612825260516	
9907.001000	Gray	Reel	1,000 m	8719605023476	
9907 E4X1640	Gray	Reel	1,640 ft	612825260530	C
9907 E4X2500	Gray	Reel	2,500 ft	612825260547	C
9907 E4X3280	Gray	Reel	3,280 ft	612825260554	C
9907 E4X5000	Gray	Reel	5,000 ft	612825260578	

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