



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
------------------------	---------------

Construction Details

RG Type:	58
----------	----

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	

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.