



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

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

Insulation

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

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

Electrical Characteristics

Attenuation

Frequency	Nom. Attenuation [dB/100ft]
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 [MHz]	Max. Power Rating [W]
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
9.5 Ohm/1000ft	3.7 Ohm/1000ft	26.0 pF/ft	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

Bulk Cable Weight:	22 lbs/1000ft
Max. Pull Tension:	36 lbs

Standards and Compliance

Environmental Suitability:	Indoor - Plenum
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	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: 0.325 Revision Date: 10-13-2021
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