



Product: [9901](#) 

Transceiver 10BASE5, #20-4pr, FPO, Isolated Shields, PVC Jkt, CM

Product Description

IEEE 802.3 Ethernet Transceiver 10BASE5, 20 AWG stranded (7x28) tinned copper conductors, Datalene® insulation, twisted pairs, overall polyester isolation tape + Duofoil® + tinned copper braid shield (95% coverage), drain wire, light gray PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	IEEE 802.3 Transceiver Cable
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Construction Details

Conductor

Element	Size	Stranding	Material	No. of Pairs
Pair(s)	20	7x28	TC - Tinned Copper	4

Insulation

Material	Nom. Insulation Diameter	Color Code	Notes
PE - Polyethylene (Foam)	0.077 in (2.0 mm)	Gray & White, Yellow & Orange, Blue & Green, Black & Red	HDPE

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Tri-Laminate (Alum+Poly+Alum)	100%	22 AWG (7x30) TC
Braid	Tinned Copper (TC)	95%	

Outer Jacket

Separator	Material	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.415 in (10.5 mm)

Electrical Characteristics

Electricals

Nom. Characteristic Impedance
78 Ohm

Delay

Max. Delay Skew	Nom. Velocity of Prop.
78 ns/100m	78%

High Frequency

Max. Insertion Loss (Attenuation) [dB/100m]
6

Voltage

UL Voltage Rating
30 V (AWM 2919), 300 V (CM)

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

Bend Radius

Stationary Min.	Installation Min.
4.15 in (105 mm)	4.15 in (105 mm)

Max. Pull Tension:	208 lbs (94.3 kg)
Bulk Cable Weight:	97 lbs/1000ft (140 kg/km)

Standards and Compliance

Flammability / Reaction to Fire:	UL1685 UL Loading, FT4
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CL2, CM
AWM Compliance:	AWM 2919
CEC / C(UL) Compliance:	CM.
IEEE Compliance:	IEEE 802.3
European Directive Compliance:	EU CE Mark, 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. 17-01320-00
Plenum Number:	89901

History

Update and Revision:	Revision Number: 0.598 Revision Date: 02-20-2026
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Part Numbers

Variants

Item #	Color	UPC	Footnote
9901 E4X1000	Gray, Light Dec	612825260240	C
9901 E4X500	Gray, Light Dec	612825260257	C

Footnote:	C - CRATE REEL PUT-UP.
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