



**Product:** [9892](#)

Transceiver 10BASE5, #20-4pr, FPO, 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 + a tinned copper braid shield (95% coverage), drain wire, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	IEEE 802.3 Transceiver Cable
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	4

Conductor Count:	8
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#### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PE - Polyethylene (Foam)	Datalene®	0.02 in

#### Color Chart

Number	Color
1	Gray & White
2	Yellow & Orange
3	Blue & Green
4	Black & Red

#### Inner Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	22	7x30

#### Outer Shield Material

Type	Material	Coverage [%]	Drainwire AWG
Braid	Tinned Copper (TC)	95%	
			20
			20

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.398 in	0.035 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR
9.5 Ohm/1000ft	1.9 Ohm/1000ft

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
16.7 pF/ft	29.5 pF/ft

## Impedance

Nominal Characteristic Impedance
78 Ohm

## Delay

Max. Delay Skew	Nominal Delay
78 ns/100m	1.3 ns/ft

## High Freq

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

## Current

Max. Recommended Current [A]
2.8 Amps per Conductor at 25°C

## Voltage

UL Description	UL Voltage Rating	Voltage Rating [V]
UL AWM Style 2919	30 V RMS (UL AWM Style 2919)	300 V RMS (CM)
CL2	150 V RMS (CL2)	
CM	300 V RMS	

## Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2919)
Operating Temp Range:	-40°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	93 lbs/1000ft
Max. Pull Tension:	175 lbs
Min Bend Radius/Minor Axis:	4 in

## Standards

Customer Reference Document:	DEC Part No. 17-01320-00
NEC/(UL) Compliance:	CL2, CM
CEC/C(UL) Compliance:	CM
UL AWM Style Compliance:	2919 (30 V 80°C)
CPR Euroclass:	Eca
IEEE Compliance:	802.3 10Base5

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	30 V RMS (UL AWM Style 2919)

## Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	89901

## Part Number

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### Variants

Item #	Color	UPC
9892 0061000	Blue, Light	612825260103
9892 006500	Blue, Light	612825260110
9892 0065000	Blue, Light	612825260127

Footnote:	C - CRATE REEL PUT-UP.
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### History

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Update and Revision:	Revision Number: 0.271 Revision Date: 09-30-2020
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