



REPRESENTATIVE IMAGE

Product: [89901](#)

Transceiver 10BASE5, #20-4pr, FEP, Individ. Foil Shielded pairs with Isolated Overall Duofoil + Brd, CMP

Product Description

IEEE 802.3 Ethernet Transceiver 10BASE5, 20 AWG stranded (7x28) tinned copper conductors, plenum, FEP insulation, twisted pairs, Individually foil shielded pairs, overall polyester isolation tape + Duofoil® + tinned copper braid shield (95% coverage), drain wire, light gray fluorocopolymer (PVDF) jacket, plenum rated

Technical Specifications

Product Overview

Suitable Applications:	10Base5 Transceiver
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Construction Details

Conductor

Element	Number of Element	AWG	Stranding	Material
Data Pair(s)	3	20	7x28	TC - Tinned Copper
Power Pair(s)		20	7x28	TC - Tinned Copper

Insulation

Element	Material	Thickness	Nom. Insulation Diameter	Color Code
Data Pair(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.019 in	0.076	Gray & White, Yellow & Orange, Blue & Green
Power Pair(s)	FEP - Fluorinated Ethylene Propylene	0.011 in	0.060	Black & Red

Inner Shield Material

Element	Shield Type	Material	Coverage	Notes
Data Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	Foil Out
Power Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	Foil Out

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.016 in	0.370 in

Cable Diameter (Nominal):	0.370 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Data Pair(s)	10.5 Ohm/1000ft	16.7 pF/ft	29.5 pF/ft	78 Ohm	78%	2.8 Amps per Conductor at 25°C
Pair(s)						

Nom Outer Shield DCR:	1.5 Ohm/1000ft
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Voltage

UL Voltage Rating

300 V (CMG)

Mechanical Characteristics

Temperature

UL Rating	Operating
150°C	-20°C to +150°C

Bend Radius

Stationary Min.	Installation Min.
3.75 in	3.7 in

Max. Pull Tension:	201 lbs
Bulk Cable Weight:	93 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Burial
Flammability / Fire Resistance:	NFPA 262 Plenum Flame Test (UL910), FT6, IEC 60332-1-2
NEC / UL Compliance:	Article 800, CMP
CEC / C(UL) Compliance:	CMP
IEEE Compliance:	802.3 10Base5
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	DEC Part No. 17-01319-00
Non-Plenum Number:	9901

History

Update and Revision:	Revision Number: 0.322 Revision Date: 09-30-2020
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