Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9892 Multi-Conductor - 10 Base 5 Transceiver

For more Information please call

1-800-Belden1



Description:

20 AWG stranded (7x28) .038" tinned copper conductors, Datalene® insulation, twisted pairs, overall polyester isolation tape plus a tinned copper braid shield (95% coverage), drain wire, PVC jacket.

Usage (Overall)

Suitable Applications:

IEEE 802.3 Transceiver Cable

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs AWG		Stranding	Conductor Material		
4	20	7x28	TC - Tinned Copper		

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material		
Datalene®	FHDPE - Foam High Density Polyethylene		

Inner Shield

Inner Shield Material:

Inner Shield Trade Name		Type	Inner Shield Material	Coverage (%)
	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

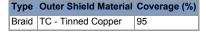


Inner Shield Drain Wire Stranding: 7x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.398 in.

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data





9892 Multi-Conductor - 10 Base 5 Transceiver

Lay Length (in.)	Twists/ft. (twist/ft)		
3.000	4.000		

Ме	Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-40°C To +80°C				
	UL Temperature Rating:	80°C (UL AWM Style 2919)				
	Bulk Cable Weight:	91 lbs/1000 ft.				
	Max. Recommended Pulling Tension:	175 lbs.				
	Min. Bend Radius (Install)/Minor Axis:	4 in.				

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
IEEE Specification:	IEEE802.3 10Base5
Other Standards:	ISO8802.3 10Base5
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Customer Part Number Reference Specification:	DEC Part No. 17-01320-00

Flame Test

UL Flame Test: UL1685 UL Loading

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance	(Ohm)
78	

Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9892 Multi-Conductor - 10 Base 5 Transceiver

9.5

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Attenuation:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 m)
	10			6

Max. Operating Voltage - UL:

30 V RMS (UL AWM Style 2919) 150 V RMS

Max. Recommended Current:

2.8 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9892 0061000	1,000 FT	101.000 LB	BLUE, LIGHT	С	4PR #20 FHDPE/PVC SH PVC
9892 006500	500 FT	51.500 LB	BLUE, LIGHT	С	4PR #20 FHDPE/PVC SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-15-2008

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