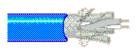
# **Detailed Specifications & Technical Data**



### METRIC MEASUREMENT VERSION

### 9892 Multi-Conductor - 10 Base 5 Transceiver



**General Description:** 

3

4

Blue & Green

Black & Red

For more Information please call

1-800-Belden1



#### 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 **Total Number of Conductors:** 8 Insulation **Insulation Material:** Insulation Trade Name Insulation Material Wall Thickness (mm) Datalene® FHDPE - Foam High Density Polyethylene 0.508 **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: AWG 22 Inner Shield Drain Wire Stranding: 7x30 Inner Shield Drain Wire Conductor Material: TC - Tinned Copper **Outer Shield Outer Shield Material:** Type Outer Shield Material Coverage (%) Braid TC - Tinned Copper 95 **Outer Jacket Outer Jacket Material:** Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.889 **Overall Cable Overall Nominal Diameter:** 10.109 mm Pair Pair Color Code Chart: Number Color Gray & White 1 2 Yellow & Orange

# **Detailed Specifications & Technical Data**



METRIC MEASUREMENT VERSION

## 9892 Multi-Conductor - 10 Base 5 Transceiver

chanical Characteristics (Overall) Operating Temperature Range:	-40°C To +80°C				
UL Temperature Rating:	80°C (UL AWM Style 2919)				
Bulk Cable Weight:	138.403 Kg/Km				
	778.435 N				
Max. Recommended Pulling Tension:					
Min. Bend Radius/Minor Axis:	101.600 mm				
oplicable Specifications and Agency Compliance (Overall)					
pplicable Standards & Environmental Program					
NEC/(UL) Specification:	CL2, CM				
CEC/C(UL) Specification:	CM				
AWM Specification:	UL Style 2919 (30 V 80°C)				
IEEE Specification:	IEEE802.3 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				
ame Test					
UL Flame Test:	UL1685 UL Loading				
enum/Non-Plenum					
Plenum (Y/N):	No				
Plenum Number:	89901				
ectrical Characteristics (Overall)					
om. Characteristic Impedance:					
Impedance (Ohm) 78					
om. Capacitance Conductor to Conductor:					
Capacitance (pF/m)					
54.7927					
om. Capacitance Cond. to Other Conductor & Shield	d:				
Capacitance (pF/m) 96.7895					
ominal Velocity of Propagation:					
<b>VP (%)</b> 78					
ominal Delay:					
Delay (ns/m) 4.2653					
om. Conductor DC Resistance:					
om. Conductor DC Resistance: DCR @ 20°C (Ohm/km) 31.1695					



### 9892 Multi-Conductor - 10 Base 5 Transceiver

METRIC MEASUREMENT VERSION

-	C (Ohm/km)			
6.2339				
lax. Attenua	tion:			
Description	Freq. (MHz)	Start Freq. (MHz	) Stop Freq. (MHz)	Attenuation (dB/100 m)
	10			6
lax. Operatir	ng Voltage	- UL:		
Voltage	Description			
	Description UL AWM Sty	le 2919		
	UL AWM Sty	le 2919		
30 V RMS	UL AWM Sty CL2	le 2919		

Current

2.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9892 0061000	305 MT	45.813 KG	BLUE, LIGHT	С	4PR #20 FHDPE/PVC SH PVC
9892 006500	152 MT	23.360 KG	BLUE, LIGHT	С	4PR #20 FHDPE/PVC SH PVC
9892 0065000	1,524 MT	240.405 KG	BLUE, LIGHT	С	4 PR #20 FHDPE/PVC SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 10-17-2012

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