

9898 Multi-Conductor - 10 Base 5 Transceiver

**Picture
Not Available**

For more Information
please call

1-800-Belden1

**General Description:**

3 Pairs - 28 AWG stranded (7x36) tinned copper conductors, 3 conductors - 24 AWG stranded (7x32) tinned copper conductors, polypropylene insulation, all indiv. Beldfoil® shielded, overall isolated, Duofoil® plus tinned copper braid shield, PVC jacket.

Usage (Overall)

Suitable Applications: IEEE 802.3 Transceiver Cable

Physical Characteristics (Overall)**Conductor**

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	3	28	7x36	TC - Tinned Copper
3		24	7x32	TC - Tinned Copper

Total Number of Conductors: 9

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.010

Inner Shield

Inner Shield Material:

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

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100.000
2		Braid	TC - Tinned Copper	91.000

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.032

Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.260 in.

Pair

Pair Color Code Chart:

Number	Color
78 Ohm	Gray & White
78 Ohm	Yellow & Orange
78 Ohm	Blue & Green
Triplet	Black, Red, & Purple

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2919)

Bulk Cable Weight: 41 lbs/1000 ft.

Max. Recommended Pulling Tension: 64 lbs.

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Min. Bend Radius/Minor Axis:	2.750 in.
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Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CL2
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
IEEE Specification:	IEEE802.3
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
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)**Nom. Characteristic Impedance:**

Impedance (Ohm)	Tolerance (Ohms)
78	± 5

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
19.7

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
35

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/ft)
1.56

Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
28 AWG	65
24 AWG	24

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.5

Max. Operating Voltage - UL:

Voltage	Description
30 V RMS	UL AWM Style 2919
150 V RMS	CL2

Max. Recommended Current:

Current
0.7 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9898 E4X1000	1,000 FT	44.000 LB	GRAY, LIGHT DEC	C	3#24SH,3SHPR#28PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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