

## 9808 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information  
please call

1-800-Belden1

**Description:**

28 AWG stranded (7x36) TC conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 28 AWG stranded TC drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
7	28	7x36	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material
PP - Polypropylene

**Outer Shield****Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
28	7x36	TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

**Overall Nominal Diameter:** 0.256 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
0.550	22.000

**Mechanical Characteristics (Overall)**

**Storage Temperature Range:** -35°C To +60°C

**Operating Temperature Range:** -30°C To +60°C

## 9808 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	41 lbs/1000 ft.
Max. Recommended Pulling Tension:	71 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CL2
AWM Specification:	UL Style 2960 (30 V 60°C)
EU CE Mark:	Yes
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

**Flame Test**

UL Flame Test:	UL 1685 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)

100

**Nom. Inductance:**

Inductance (μH/ft)

.19

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

15.5

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)

27.5

**Nominal Velocity of Propagation:**

VP (%)

66

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

64.9

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

3.7

**Max. Operating Voltage - UL:**

Voltage

30 V RMS (UL AWM Style 2960); 150 V RMS

**Max. Recommended Current:**

Current

**9808 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422**

0.9 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
9808 060100	100 FT	4.900 LB	CHROME		7 PR #28 PP SH PVC
9808 0601000	1,000 FT	44.000 LB	CHROME	C	7 PR #28 PP SH PVC
9808 060500	500 FT	20.500 LB	CHROME		7 PR #28 PP SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 1    Revision Date: 04-17-2008

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