# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 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	<b>Conductor Material</b>
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:

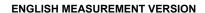
Lay Length (in.)	Twists/ft. (twist/ft)
0.550	22.000

# **Mechanical Characteristics (Overall)**

Storage Temperature Range:	-35°C To +60°C		
Operating Temperature Range:	-30°C To +60°C		

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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
ame Test	

#### Fla

**UL Flame Test:** UL1685 UL Loading

### Plenum/Non-Plenum

Plenum (Y/N): No

# **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft) 27.5

**Nominal Velocity of Propagation:** 

VP (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current

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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	С	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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