

## 9825 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
25	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:** 0.429 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
8	Red & White
9	Red & Green
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue
16	Green & Yellow

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17	Green & Brown
18	Green & Orange
19	White & Blue
20	White & Yellow
21	White & Brown
22	White & Orange
23	Blue & Yellow
24	Blue & Brown
25	Blue & Orange

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
0.650	18.500

### Mechanical Characteristics (Overall)

Storage Temperature Range:	-35°C To +60°C
Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	96.400 lbs/1000 ft.
Max. Recommended Pulling Tension:	181 lbs.
Min. Bend Radius (Install)/Minor Axis:	4.300 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:	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)
100

**Nom. Inductance:**

Inductance (µH/ft)
.21

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)
15.5

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

Capacitance (pF/ft)
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## 9825 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

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)**  
1.9

**Max. Operating Voltage - UL:**

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

**Max. Recommended Current:**

**Current**  
.5 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
9825 0601000	1,000 FT	108.000 LB	CHROME	C	25 PR #28 PP SH PVC
9825 060500	500 FT	54.500 LB	CHROME	C	25 PR #28 PP SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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