

## 9805 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
3	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:** 0.222 in.

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

Number	Color
1	Black & Red
2	Black & White
3	Black & Green

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
0.600	24.000

**Mechanical Characteristics (Overall)**

<b>Operating Temperature Range:</b>	-20°C To +60°C
<b>UL Temperature Rating:</b>	60°C (UL AWM Style 2960)
<b>Bulk Cable Weight:</b>	26 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	44 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	2.100 in.

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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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)

.19

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

15.5

## Nom. Capacitance Cond. to Other Conductor &amp; 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)

4.2

## Max. Operating Voltage - UL:

Voltage

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

## Max. Recommended Current:

Current

.9 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

**9805 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422****Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9805 060100	100 FT	3.900 LB	CHROME		3 PR #28 PP SH PVC
9805 0601000	1,000 FT	35.000 LB	CHROME	C	3 PR #28 PP SH PVC
9805 060500	500 FT	15.500 LB	CHROME	C	3 PR #28 PP SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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

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