

## 9806 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
4	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 Cabling

Overall Nominal Diameter: 0.237 in.

#### Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
0.500	24.000

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2960)

Bulk Cable Weight: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 54 lbs.

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Min. Bend Radius (Install)/Minor Axis: 2.400 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

#### Plenum/Non-Plenum

Plenum (Y/N): No

### 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)  
4

#### 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:

## 9806 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9806 060100	100 FT	4.300 LB	CHROME		4 PR #28 PP SH PVC
9806 0601000	1,000 FT	39.000 LB	CHROME	C	4 PR #28 PP SH PVC
9806 060500	500 FT	17.500 LB	CHROME		4 PR #28 PP SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

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#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.