



**Part Number: 9808**

RS232/422 Low Cap, #28-7pr, PO, O/A Foil+Braid, PVC Jkt, CL2, 100Ω

## Product Description

Computer EIA RS-232/422 Cable, 28 AWG stranded (7x36) tinned copper conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (90% coverage), 28 AWG stranded tinned copper drain wire, PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
28	7x36	TC - Tinned Copper	7

Conductor Count:	14
Conductor Size:	28 AWG

#### Insulation

Material	Nominal Wall Thickness
PP - Polypropylene	0.009 in

#### Color Chart

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

#### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	28	7x36 mm
Braid	2	TC - Tinned Copper		90 %			

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.256 in	0.035 in

### Construction and Dimensions

Overall Twisted Length:	18 in
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### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
64.9 Ohm/1000ft	3.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
15.5 pF/ft	27.5 pF/ft

#### Inductance

Nominal Inductance
0.19 µH/ft

#### Impedance

Nominal Characteristic Impedance
100 Ohm

#### Delay

Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
66 ns/100m	66 %

#### Current

Max. Recommended Current [A]
0.9 Amps per conductor @ 25°C A

#### Voltage

UL Description	UL Voltage Rating
UL AWM Style 2960	30 V RMS (UL AWM Style 2960)
CL2	150 V RMS (CL2)

#### Temperature Range

UL Temp Rating:	60°C (UL AWM Style 2960)
Storage Temp Range:	-35°C To +60 °C
Operating Temp Range:	-30°C To +60°C

#### Mechanical Characteristics

Bulk Cable Weight:	41 lbs/1000ft
Max Recommended Pulling Tension:	71 lbs
Min Bend Radius/Minor Axis:	2.75 in

#### Standards

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

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	30 V RMS (UL AWM Style 2960)

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
9808 060100	Chrome	
9808 0601000	Chrome	C

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