

Part Number: 9806



RS232/422 Low Cap, #28-4pr, 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	4

Conductor Count:	8
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

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	0.237 in	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
64.9 Ohm/1000ft	4 Ohm/1000ft

Capacitance

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

Shielding:	Foil + Braid(s)
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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)

Operating Temp Range: -20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 35 lbs/1000ft

Max Recommended Pulling Tension: 54 lbs

Min Bend Radius/Minor Axis: 2.5 in

Standards

NEC/(UL) Specification: CL2

UL AWM Style: 2960 (30 V 60°C)

CPR Euroclass: Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2003/96/EC (BFR): Yes

EU Directive 2011/65/EU (ROHS II): 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

Part Number

Variants

Item #	Color	Footnote
9806 060100	Chrome	
9806 0601000	Chrome	C
9806 060500	Chrome	

Footnote: C - CRATE REEL PUT-UP.

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