Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9819 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information please call

1-800-Belden1



General 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:

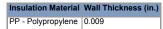


Total Number of Conductors:

36

Insulation

Insulation Material:



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:

ı	Outer Jacket Material	Nom. Wall Thickness (in.)
ı	PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter:

0.365 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				
17	Green & Brown				
18	Green & Orange				

Mechanical Characteristics (Overall)

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

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

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Bulk Cable Weight:	75 lbs/1000 ft.
Max. Recommended Pulling Tension:	145 lbs.
Min. Bend Radius/Minor Axis:	3.750 in.

App

App

Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CL2			
AWM Specification:	UL Style 2960 (30 V 60°C)			
EU Directive 2011/65/EU (ROHS II):	Yes			
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)

Nom. Inductance:

Inductance (µH/ft)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

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)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

Description UL AWM Style 2960 30 V RMS 150 V RMS CL2

Max. Recommended Current:

Current .65 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9819 060100	100 FT	8.300 LB	CHROME		18 PR #28 PP SH PVC
9819 0601000	1,000 FT	82.000 LB	CHROME	С	18 PR #28 PP SH PVC
9819 060500	500 FT	40.500 LB	CHROME	С	18 PR #28 PP SH PVC

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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-14-2012

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