Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9812 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.

24

Physical Characteristics (Overall)

Conductor

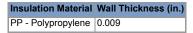
AWG:

# Pairs	AWG	Stranding	Conductor Material
12	28	7x36	TC - Tinned Copper

Total Number of Conductors:

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

	Layer # Outer Shield Trade Name 1 Beldfoil®		Type	Outer Shield Material	Coverage (%)
			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	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter: 0.319 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

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data





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Machaniaal Characteristics (Over-11)	
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	58 lbs/1000 ft.
Max. Recommended Pulling Tension:	105 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.
Applicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Prog	rams
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) 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) 2.8

Page 2 of 3 10-30-2013

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Max. Operating Voltage - UL:

Voltage	Description		
	UL AWM Style 2960		
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
9812 060100	100 FT	6.700 LB	CHROME		12 PR #28 PP SH PVC
9812 0601000	1,000 FT	62.000 LB	CHROME	С	12 PR #28 PP SH PVC
9812 060500	500 FT	31.000 LB	CHROME	С	12 PR #28 PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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

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