Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9825 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:

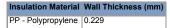


Total Number of Conductors:

50

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Туре	Outer Shield Material	Coverage (%)
1	Beldfoil®	Таре	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 (mm)
ľ	PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter:

10.897 mm

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			
19	White & Blue			
20	White & Yellow			
21	White & Brown			
22	White & Orange			
23	Blue & Yellow			

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	24	Blue & Brown			
	25	Blue & Orange			

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Mechanical Characteristics (Overall)	
Storage Temperature Range:	-35°C To +60°C
Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	147.332 Kg/Km
Max. Recommended Pulling Tension:	805.124 N
Min. Bend Radius/Minor Axis:	114.300 mm
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	

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Plenum (Y/N):

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 50.8555

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 90.2275

Nominal Velocity of Propagation:

VP (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 212.937

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 6.2339

Max. Operating Voltage - UL:

 Voltage
 Description

 30 V RMS
 UL AWM Style 2960

 150 V RMS
 CL2

Max. Recommended Current:

Current

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.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9825 0601000	1,000 FT	108.000 LB	CHROME	С	25 PR #28 PP SH PVC
9825 060500	500 FT	54.500 LB	CHROME	С	25 PR #28 PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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

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product.
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

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