Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9805 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:

# Pairs	AWG	Stranding	Conductor Material
3	28	7x36	TC - Tinned Copper

Total Number of Conductors: 6

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PP - Polypropylene	0.009

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:

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

Overall Cable

Overall Nominal Diameter: 0.222 in.

Pair

Pair Color Code Chart:

Number	Color		
1	Black & Red		
2	Black & White		
3	Black & Green		

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C	
UL Temperature Rating:	60°C (UL AWM Style 2960)	
Bulk Cable Weight:	31 lbs/1000 ft.	
Max. Recommended Pulling Tension:	44 lbs.	
Min. Bend Radius/Minor Axis:	2.250 in.	

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plicable Specifications and Agency C	Compliance (Overall)
oplicable Standards & Environmental Pro	grams
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
ame Test	
UL Flame Test:	UL1685 UL Loading

No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance	(Ohm)
100	

Plenum (Y/N):

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



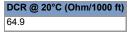
Nom. Capacitance Cond. to Other Conductor & Shield:



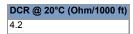
Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

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

Max. Recommended Current:

Current	
9 Amps per conductor @ 25°C	

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9805 060100	100 FT	3.900 LB	CHROME		3 PR #28 PP SH PVC
9805 0601000	1,000 FT	35.000 LB	CHROME	С	3 PR #28 PP SH PVC
9805 060500	500 FT	17.500 LB	CHROME	С	3 PR #28 PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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

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