Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9807 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:

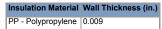


Total Number of Conductors:

10

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	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 (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable

Overall Nominal Diameter:

0.240 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +60°C
UL Temperature Rating:	60°C (UL AWM Style 2960)
Bulk Cable Weight:	36 lbs/1000 ft.
Max. Recommended Pulling Tension:	58 lbs.
Min. Bend Radius/Minor Axis:	2.500 in.

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	

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Plenum (Y/N):	No	
enum/Non-Plenum		
UL Flame Test:	UL1685 UL Loading	
ame Test		
MII Order #39 (China RoHS):	Yes	
CA Prop 65 (CJ for Wire & Cable):	Yes	
EU Directive 2003/11/EC (BFR):	Yes	
EU Directive 2002/96/EC (WEEE):	Yes	
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004	
EU Directive 2002/95/EC (RoHS):	Yes	
EU Directive 2000/53/EC (ELV):	Yes	

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 100

Nom. Inductance:

Inductance (µH/ft) .19

Nom. Capacitance Conductor to Conductor:

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Minimum Velocity of Propagation:

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 64.9

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Max. Operating Voltage - UL:

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

Max. Recommended Current:

.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9807 060100	100 FT	4.300 LB	CHROME		5 PR #28 PP SH PVC
9807 0601000	1,000 FT	39.000 LB	CHROME	С	5 PR #28 PP SH PVC
9807 060500	500 FT	19.500 LB	CHROME		5 PR #28 PP SH PVC

Notes:

C = CRATE REEL PUT-UP.

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

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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