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:

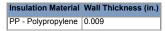
# Pairs	AWG	_	Conductor Material
5	28	7x36	TC - Tinned Copper

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®	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:

0.240 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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Yes
Yes
01/01/2004
Yes
Yes
Yes
Yes
UL1685 UL Loading
No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
100

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



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)	
4.2	1

Max. Operating Voltage - UL:

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

Max. Recommended Current:

Curren	ıt						
.9 Amp	e ne	r c	ond	lucto	or 6	n 24	5°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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Beiden 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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