

**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	Stranding	Conductor Material
5	28	7x36	TC - Tinned Copper

Total Number of Conductors: 10

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.229

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 (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Nominal Diameter: 6.096 mm

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:	53.575 Kg/Km
Max. Recommended Pulling Tension:	257.996 N
Min. Bend Radius/Minor Axis:	63.500 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CL2
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AWM Specification:	UL Style 2960 (30 V 60°C)
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

100

Nom. Inductance:

Inductance (µH/m)

0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

50.8555

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

90.2275

Minimum Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

212.937

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.7802

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:

METRIC MEASUREMENT VERSION

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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	C	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.

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