

## 9837 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), 24 AWG stranded TC drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
18	24	7x32	TC - Tinned Copper

**Insulation****Insulation Material:**

Insulation Material
PE - Polyethylene

**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	65

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
24	Stranded	TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
PVC - Polyvinyl Chloride

**Overall Cable**

**Overall Nominal Diameter:** 0.567 in.

**Pair****Pair Color Code Chart:**

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White
3	White/Green & Green/White
4	White/Brown & Brown/White
5	White/Gray & Gray/White
6	Red/Blue & Blue/Red
7	Red/Orange & Orange/Red
8	Red/Green & Green/Red
9	Red/Brown & Brown/Red
10	Red/Gray & Gray/Red
11	Black/Blue & Blue/Black
12	Black/Orange & Orange/Black
13	Black/Green & Green/Black
14	Black/Brown & Brown/Black
15	Black/Gray & Gray/Black
16	Yellow/Blue & Blue/Yellow

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17	Yellow/Orange & Orange/Yellow
18	Yellow/Green & Green/Yellow

## Pair Lay Length &amp; Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	151 lbs/1000 ft.
Min. Bend Radius (Install)/Minor Axis:	5.750 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2919 (30 V 80°C)
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
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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. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
15.5

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)
27.5

## Nominal Velocity of Propagation:

VP (%)
66

## Nominal Delay:

Delay (ns/ft)
1.6

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
24

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## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2

## Max. Operating Voltage - UL:

Voltage

30 V RMS (UL AWM Style 2919)

300 V RMS (CM)

## Max. Recommended Current:

Current

1.2 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9837 0601000	1,000 FT	162.000 LB	CHROME	C	18 PR #24 PER SH PVC
9837 060500	500 FT	82.000 LB	CHROME	C	18 PR #24 PER SH PVC

## Notes:

C = CRATE REEL PUT-UP.

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