

## 9683 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 shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
9	24	7x32	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material
PE - Polyethylene

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
24	7x32		TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 0.397 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

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
Non-UL Temperature Rating:	80°C (UL AWM Style 2919)
Bulk Cable Weight:	73.100 lbs/1000 ft.
Max. Recommended Pulling Tension:	99 lbs.

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Min. Bend Radius (Install)/Minor Axis:	4 in.
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & 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)
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100
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
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15.5
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#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
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27.5
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#### Nominal Velocity of Propagation:

VP (%)
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66
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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24
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
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12
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#### Max. Operating Voltage - UL:

Voltage
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30 V RMS (UL AWM Style 2919); 300 V RMS
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#### Max. Recommended Current:

Current
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2.1 Amps per conductor @ 25°C
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### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

## 9683 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232/422

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9683 0601000	1,000 FT	76.000 LB	CHROME	C	9 PR #24 PER FS PVC
9683 060500	500 FT	36.500 LB	CHROME	C	9 PR #24 PER FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

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