# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



# 9939 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



# **General Description:**

22 AWG stranded (7x30) TC conductors, S-R PVC insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

# **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Conductors	AWG	Stranding	<b>Conductor Material</b>
3	22	7x30	TC - Tinned Copper

Total Number of Conductors: 3

#### Insulation

#### **Insulation Material:**

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

#### **Outer Shield**

#### **Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000
2		Braid	TC - Tinned Copper	80.000

#### **Outer Jacket**

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

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

### **Overall Cable**

#### **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White
3	Red

Overall Nominal Diameter: 5.131 mm

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	37.205 Kg/Km
Min. Bend Radius/Minor Axis:	57.150 mm

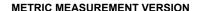
# **Applicable Specifications and Agency Compliance (Overall)**

#### **Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)

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#### 9939 Multi-Conductor - Computer Cable for EIA RS-232 Applications

EU Directive 2011/65/EU (ROHS II):	Yes
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):	10/01/2005
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 FT4 Loading
CSA Flame Test:	FT4
Plenum/Non-Plenum	
Plenum (Y/N):	No

#### **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 121.397

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 219.827

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.2307

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 20.3422

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
3 Amps per conductor @ 25°C

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9939 060500	500 FT	13.500 LB	CHROME	С	BRAID 3 #22 PVC SH PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-21-2012

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#### **METRIC MEASUREMENT VERSION**



### 9939 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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