# **Detailed Specifications & Technical Data**

### METRIC MEASUREMENT VERSION





# 9942 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	Conductor Material
1	6	22	7x30	TC - Tinned Copper

Total Number of Conductors:

6

#### Insulation

#### **Insulation Material:**

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

#### **Outer Shield**

### **Outer Shield Material:**

Lay	er#(	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	E	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2			Braid	TC - Tinned Copper	65

### **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
4	Green
5	Brown
6	Blue

Overall Nominal Diameter: 6.223 mm

### **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	59.528 Kg/Km		
Max. Recommended Pulling Tension:	331.391 N		
Min. Bend Radius/Minor Axis:	63.500 mm		

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

**Applicable Standards & Environmental Programs** 

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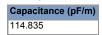


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NEC/(UL) Specification:	CMG		
CEC/C(UL) Specification:	CMG		
AWM Specification:	UL Style 2464 (300 V 80°C)		
EU Directive 2011/65/EU (ROHS II):	Yes		
EU CE Mark:	Yes		
EU Directive 2000/53/EC (ELV):	Yes		
EU Directive 2002/95/EC (RoHS):	Yes		
EU RoHS 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:



Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 206.703

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.2307

**Nominal Outer Shield DC Resistance:** 

DCR @ 20°C (Ohm/km) 25.9199

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 2.1 Amps per conductor @ 25°C

# **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9942	1 EA	0.000			0985 508 120/20 M
9942 060100	100 FT	4.600 LB	CHROME		BRAID 6 #22 PVC SH PVC
9942 0601000	1,000 FT	42.000 LB	CHROME	С	6 #22 PVC SH PVC
9942 060500	500 FT	21.000 LB	CHROME	С	BRAID 6 #22 PVC SH PVC
9942 0605000	5,000 FT	210.000 LB	CHROME		BRAID 6 #22 PVC SH PVC

Notes: C = CRATE REEL PUT-UP.

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### 9942 Multi-Conductor - Computer Cable for EIA RS-232 Applications

Revision Number: 2 Revision Date: 08-03-2012

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