# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**



# 8308 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications



For more Information please call

1-800-Belden1



## **General Description:**

22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), PVC jacket.

## **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
8	22	7x30	TC - Tinned Copper

Total Number of Conductors: 16

#### 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
2		Braid	TC - Tinned Copper	65

### **Outer Jacket**

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

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

### **Overall Cable**

Overall Nominal Diameter: 9.754 mm

### **Pair**

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

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	139.891 Kg/Km
Min. Bend Radius/Minor Axis:	101.600 mm

Page 1 of 3 10-30-2013

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licable Standards & Environmental Prog	rams		
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		

CSA Flame Test: FT4

### Plenum/Non-Plenum

Plenum (Y/N): No

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance	(pF/m)
114.835	

Nom. Capacitance Cond. to Other Conductor & Shield:



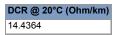
Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current 1.5 Amps per conductor @ 25°C

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8308 060100	30 MT	4.717 KG	CHROME		8 PR #22 PVC SHLD PVC
8308 0601000	305 MT	45.813 KG	CHROME	С	8 PR #22 PVC SHLD PVC
8308 060500	152 MT	22.680 KG	CHROME	С	8 PR #22 PVC SHLD PVC

Notes:

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C = CRATE REEL PUT-UP.

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