## **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



## 8307 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.

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## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

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

Total Number of Conductors:

#### 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	0.889

#### **Overall Cable**

Overall Nominal Diameter: 8.839 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

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

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	114.591 Kg/Km
Min. Bend Radius/Minor Axis:	88.900 mm

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## 8307 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications

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)				
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					

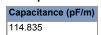
FT4

No

## Plenum (Y/N):

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:



**CSA Flame Test:** 

Plenum/Non-Plenum

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 206.703

Nominal Velocity of Propagation:

**VP (%)** 

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 16.405

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
8307 060100	100 FT	8.600 LB	CHROME		7 #22 PR PVC SHLD PVC
8307 0601000	1,000 FT	85.000 LB	CHROME	С	7 #22 PR PVC SHLD PVC
8307 060500	500 FT	42.000 LB	CHROME	С	7 #22 PR PVC SHLD PVC

Notes:

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### 8307 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-22-2012

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