# **Detailed Specifications & Technical Data**

## **ENGLISH MEASUREMENT VERSION**



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



For more Information please call

1-800-Belden1



# **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>
7	22	7x30	TC - Tinned Copper

#### Insulation

## Insulation Material:

Insulation Material
S-R PVC - Semi-Rigid Polyvinyl Chloride

## **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	
PVC - Polyvinyl Chloride	

#### **Overall Cable**

Overall Nominal Diameter: 0.348 in.

## 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

#### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

## **Mechanical Characteristics (Overall)**

·			
Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	77 lbs/1000 ft.		
Min. Bend Radius (Install)/Minor Axis:	3.500 in.		

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Applicable Specifications and Agency Co	ompliance (Overall)			
Applicable Standards & Environmental Programs				
NEC/(UL) Specification:	CMG			
CEC/C(UL) Specification:	CMG			
AWM Specification:	UL Style 2464 (300 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):	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				
C(UL) Flame Test:	FT4			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

## **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



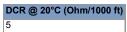
Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current
2.1 Amps per conductor @ 25°C

# **Related Documents:**

No related documents are available for this product

## **Put Ups and Colors:**

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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:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-16-2008

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