# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



# 8304 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:

	AWG	Stranding	<b>Conductor Material</b>
4	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: 0.320 in.

### Pair

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

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

## Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.000	12.000

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	58 lbs/1000 ft.		
Max. Recommended Pulling Tension:	102 lbs.		
Min. Bend Radius (Install)/Minor Axis:	3.200 in.		

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Applicable Specifications and Agency Compliance (Overall)			
Applicable Standards & Environmental Program	ms		
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:



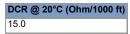
Nom. Capacitance Cond. to Other Conductor & Shield:



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
8304 060100	100 FT	6.700 LB	CHROME		4 #22 PR SHLD PVC
8304 0601000	1,000 FT	66.000 LB	CHROME	С	4 #22 PR SHLD PVC
8304 060500	500 FT	32.500 LB	CHROME	С	4 #22 PR SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-18-2008

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