# **Detailed Specifications & Technical Data**

### **METRIC MEASUREMENT VERSION**





# 8315 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>
15	22	7x30	TC - Tinned Copper

**Total Number of Conductors:** 

30

### 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: 12.751 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
9	Red & Green
10	Red & Blue
11	Red & Yellow
12	Red & Brown
13	Red & Orange
14	Green & White
15	Green & Blue

# **Mechanical Characteristics (Overall)**

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Operating Temperature Range:	-30°C To +80°C		
UL Temperature Rating:	80°C (UL AWM Style 2464)		
Bulk Cable Weight:	233.647 Kg/Km		
Max. Recommended Pulling Tension:	1334.460 N		
Min. Bend Radius/Minor Axis:	133.350 mm		

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

### **Applicable Standards & Environmental Programs**

N	IEC/(UL) Specification:	CMG
С	EC/C(UL) Specification:	CMG
A	WM Specification:	UL Style 2464 (300 V 80°C)
Е	U Directive 2011/65/EU (ROHS II):	Yes
Е	U CE Mark:	Yes
E	U Directive 2000/53/EC (ELV):	Yes
E	U Directive 2002/95/EC (RoHS):	Yes
Е	U RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
E	U Directive 2002/96/EC (WEEE):	Yes
E	U Directive 2003/11/EC (BFR):	Yes
C	A Prop 65 (CJ for Wire & Cable):	Yes
N	III Order #39 (China RoHS):	Yes
Flam	e Test	
С	SA Flame Test:	FT4
Plen	um/Non-Plenum	
Р	Plenum (Y/N):	No

# **Electrical Characteristics (Overall)**

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
114.835

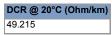
Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 12.4678

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
1.5 Amps per conductor @ 25°C

# **Put Ups and Colors:**

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
8315 060100	100 FT	17.400 LB	CHROME		15 PR #22 PVC SHLD PVC
8315 0601000	1,000 FT	164.000 LB	CHROME	С	15 PR #22 PVC SHLD PVC
8315 060500	500 FT	85.500 LB	CHROME	С	15 PR #22 PVC SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

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

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