Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





8348 Multi-Conductor - Low Capacitance Computer Cable for EIA RS-232 Applications

For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, multi-paired cable with overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

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Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	
18	24	7x32	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	1.143

Overall Cable

Overall Nominal Diameter: 12.192 mm

Pair

Pair Color Code Chart:

Number Color				
1	White/Blue & Blue/White			
2	White/Orange & Orange/White			
3 White/Green & Green/White				
4 White/Brown & Brown/White				
5 White/Gray & Gray/White				
6	Red/Blue & Blue/Red			
7	Red/Orange & Orange/Red			
8	Red/Green & Green/Red			
9	Red/Brown & Brown/Red			
10	Red/Gray & Gray/Red			
11	Black/Blue & Blue/Black			
12	Black/Orange & Orange/Black			
13	Black/Green & Green/Black			
14	Black/Brown & Brown/Black			
15	Black/Gray & Gray/Black			
16 Yellow/Blue & Blue/Yellow				
17	Yellow/Orange & Orange/Yellow			
18	Yellow/Green & Green/Yellow			

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Mechanical Characteristics (Overall)				
Operating Temperature Range:	-30°C To +80°C			
UL Temperature Rating:	80°C (UL AWM Style 2464)			
Bulk Cable Weight:	209.836 Kg/Km			
Min. Bend Radius/Minor Axis:	127 mm			
Applicable Specifications and Agency C	ompliance (Overall)			
Applicable Standards & Environmental Prog	grams			
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				
UL Flame Test:	UL1685 FT4 Loading			
CSA Flame Test:	FT4			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

Electrical Characteristics (Overall)

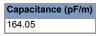
Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 78.744

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 8.8587

Max. Operating Voltage - UL:

Voltage

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300 V RMS

Max. Recommended Current:

Current 1.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8348 0601000	1,000 FT	149.000 LB	CHROME	С	BRAID 18 PR #24 PVCR SHLD PVC
8348 060500	500 FT	78.000 LB	CHROME	С	BRAID 18 PR #24 PVCR SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-21-2012

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