Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9322 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	0.432	1.575

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)	
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100	

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
22	7x30	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
F-R PVC - Flame Retardant Polyvinyl Chloride	0.9398

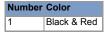
Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 5.105 mm

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
50.8	19.686

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	31.252 Kg/Km
Max. Recommended Pulling Tension:	44.482 N
Min. Bend Radius/Minor Axis:	50.800 mm

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Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Programs					
NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER				
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):	04/01/2005				
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 UL Loading				
C(UL) Flame Test:	FT4				
IEEE Flame Test:	1202				
Suitability					
Suitability - Indoor:	Yes				
Suitability - Outdoor:	Yes				
Suitability - Burial:	No				
Sunlight Resistance:	Yes				
Plenum/Non-Plenum					
Plenum (Y/N):	No				

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 150.926

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 49.215

Max. Operating Voltage - UL:

Voltage 300 V RMS

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9322 060U1000	1,000 FT	22.000 LB	CHROME		2 #22 PVC SH PVC
9322 060U500	500 FT	11.500 LB	CHROME		2 #22 PVC SH PVC

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9322 Multi-Conductor - 300V Power-Limited Tray Cable

9322 0605000	5,000 FT	105.000 LB	CHROME	Z	2 #22 PVC SH PVC	
	1 '					

Notes:

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 3 Revision Date: 10-21-2014

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