Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9316 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



Description:

16 AWG pairs stranded (19x29) 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	16	19x29	TC - Tinned Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4064

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:



Inner Shield Drain Wire Stranding: 19x30

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

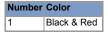
Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 6.502 mm

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)		
50.7998	19.686		

Mechanical Characteristics (Overall)	
Operating Temperature Range:	-30°C To +105°C

Bulk Cable Weight:	61.016 Kg/Km		
Max. Recommended Pulling Tension:	400.338 N		
Min. Bend Radius (Install)/Minor Axis:	63.500 mm		

Page 1 of 3 05-10-2011

Detailed Specifications & Technical Data

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
CEC/C(UL) Specification:	CMG			
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 FT4 Loading			
CSA Flame Test:	FT4			
IEEE Flame Test:	1202			
Suitability				
Sunlight Resistance:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.52496

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 223.108

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 397.001

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 12.1397

Ind. Pair Nominal Shield DC Resistance @ 20 18.702 Ohm/km Deg. C:

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current
7 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item # Putup Ship Weight Color	Notes	Item Desc
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Page 2 of 3 05-10-2011

Detailed Specifications & Technical Data





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9316 060U1000	305 MT	18.597 KG	CHROME	2 #16 PVC FS PVC
9316 060U500	152 MT	9.752 KG	CHROME	2 #16 PVC FS PVC
9316 0605000	1,524 MT	95.255 KG	CHROME	2 #16 PVC FS PVC

Revision Number: 1 Revision Date: 07-24-2008

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Page 3 of 3 05-10-201