# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



# 9342 Multi-Conductor - 600V Tray Cable



For more Information please call

1-800-Belden1



# **Description:**

16 AWG pairs stranded (19x29) tinned copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

# **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Pairs	AWG	Stranding	<b>Conductor Material</b>
1	16	19x29	TC - Tinned Copper

### Insulation

### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

### **Outer Shield**

### **Outer Shield Material:**

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

#### **Outer Shield Drain Wire AWG:**

AWG	Stranding	<b>Drain Wire Conductor Material</b>
16	19x29	TC - Tinned Copper

# **Outer Jacket**

#### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.2192

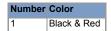
Outer Jacket Ripcord: Yes

## **Overall Cabling**

Overall Nominal Diameter: 7.518 mm

#### Pair

#### Pair Color Code Chart:



## Pair Lay Length & Direction:

Lay Length (mm)	Twists/ft. (twist/m)
76.1997	13.124

Me	Mechanical Characteristics (Overall)					
	Wet Temperature Range:	-30°C To +75°C				
	Dry Temperature Range:	-30°C To +90°C				
	Bulk Cable Weight:	83.339 Kg/Km				
	Max. Recommended Pulling Tension:	467.061 N				
	Min. Bend Radius (Install)/Minor Axis:	76.200 mm				

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Applicable Specifications and Agency Compliance (Overall)				
Applicable Standards & Environmental Programs				
EU Directive 2000/53/E	~	Yes		
EU Directive 2002/95/E	C (RoHS):	Yes		
EU RoHS Compliance Date (mm/dd/yyyy):		04/01/2005		
EU Directive 2002/96/E	C (WEEE):	Yes		
EU Directive 2003/11/E	C (BFR):	Yes		
CA Prop 65 (CJ for Wir	e & Cable):	Yes		
MII Order #39 (China Re	oHS):	Yes		
Other Specification:		ICEA S-73-532, S-61-402		
Flame Test				
<b>UL Flame Test:</b>		UL1685 UL Loading		
C(UL) Flame Test:		FT4		
IEEE Flame Test:		1202		
Suitability				
Suitability - Burial:		Yes		
Sunlight Resistance:		Yes		
Plenum/Non-Plenum				
Plenum (Y/N):		No		

# **Electrical Characteristics (Overall)**

Nom. Inductance:

Inductance (µH/m) 0.6562

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 164.05

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 285.447

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 14.0099

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 11.8116

Max. Operating Voltage - UL:

Voltage 600 V RMS (NEC Type TC) 150 V RMS (NPLF)

Max. Recommended Current:

Current 8 Amps per conductor @ 25°C

# Notes (Overall)

Notes: Alternate color coding available upon request.

## **Related Documents:**

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### 9342 Multi-Conductor - 600V Tray Cable

No related documents are available for this product

### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9342 0101000	305 MT	24.948 KG	BLACK	С	2 #16 PVC/NYL SHLD PVC
9342 010500	152 MT	11.793 KG	BLACK	С	2 #16 PVC/NYL SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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