

## 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	Conductor Material
1	16	19x29	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### 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
16	19x29	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.194

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 7.468 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
76.2	13.124

### 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: 177.928 N

Min. Bend Radius/Minor Axis: 76.200 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	NPLF, TC
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
Other Specification:	ICEA S-73-532, S-61-402

### Flame Test

UL Flame Test:	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
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## 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)
13.780

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
13.780

### Max. Operating Voltage - UL:

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

### Max. Recommended Current:

Current
8 Amps per conductor @ 30°C

## Notes (Overall)

**Notes:** Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9342 0101000	305 MT	24.948 KG	BLACK	C	2 #16 PVC/NYL SHLD PVC
9342 010500	152 MT	12.474 KG	BLACK	C	2 #16 PVC/NYL SHLD PVC
9342 0105000	1,524 MT	136.078 KG	BLACK		2 #16 PVC/NYL SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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