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please call

1-800-Belden1



### General Description:

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	16	7x24	BC - Bare Copper

Total Number of Conductors: 4

#### 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	7x24	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.1938

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Cabling Lay Length & Direction:

Length (mm)
125.221507

Overall Nominal Diameter: 11.582 mm

### Pair

Pair Color Code Chart:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2

Pair Lay Length & Direction:

Lay Length (mm)
63.49975
69.849725

### Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	134.384 Kg/Km
Max. Recommended Pulling Tension:	796.228 N
Min. Bend Radius/Minor Axis:	116.840 mm

### Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC(UL) Specification: NPLF, TC-ER

## METRIC MEASUREMENT VERSION

## 1069A Multi-Conductor - 600V Tray Cable

EU Directive 2011/65/EU (ROHS II):	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
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. Characteristic Impedance:

Impedance (Ohm)  
49

### Nom. Mutual Capacitance:

Capacitance (pF/m)  
131.24

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
12.0413

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
10.6304

### Max. Operating Voltage - UL:

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

## Notes (Overall)

Notes: Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1069A 0107500	7,500 FT	795.000 LB	BLACK	C Z	2 PR #16 PVC/NYL FS PVC

### Notes:

C = CRATE REEL PUT-UP.

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

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