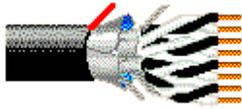


## 1039A Multi-Conductor - 600V Tray Cable

For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
4	16	7x24	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### 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:

AWG
18

Inner Shield Drain Wire Stranding: 7x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### 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 (in.)
PVC - Polyvinyl Chloride	.063

Outer Jacket Ripcord: Yes

#### Overall Cabling

##### Overall Cabling Lay Length & Direction:

Length (in.)
6.97

Overall Nominal Diameter: 0.584 in.

#### Pair

##### Pair Color Code Chart:

Number	Color

1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4

**Pair Lay Length & Direction:**

Lay Length (in.)	Twists/ft. (twist/ft)
2.750	4.360

## Mechanical Characteristics (Overall)

<b>Wet Temperature Range:</b>	-30°C To +75°C
<b>Dry Temperature Range:</b>	-30°C To +90°C
<b>Bulk Cable Weight:</b>	186.800 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	411 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	5.800 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	ICEA S-73-532, S-61-402

### Flame Test

<b>UL Flame Test:</b>	UL1685 UL Loading
<b>C(UL) Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202

### Suitability

<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## Electrical Characteristics (Overall)

**Nom. Inductance:**

Inductance (µH/ft)
.20

**Nom. Capacitance Cond. to Other Conductor & Shield:**

Capacitance (pF/ft)
87

**Nom. Mutual Capacitance:**

Capacitance (pF/ft)
50

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
3.67

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
3.14

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 5.070 Ohm/1000 ft

**Max. Operating Voltage - UL:**

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

**Notes (Overall)**

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

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1039A 0107500	7,500 FT	1,687.500 LB	BLACK	C Z	4 FS 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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