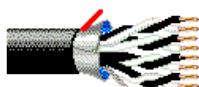


# Detailed Specifications & Technical Data



## ENGLISH MEASUREMENT VERSION

## 1049A Multi-Conductor - 600V Tray Cable



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG pairs stranded (7x26) 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	18	7x26	BC - Bare Copper

Total Number of Conductors: 8

#### 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
20

Inner Shield Drain Wire Stranding: 7x28

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
18	7x26	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.047

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 0.493 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White Numbered 1
2	Black & White Numbered 2
3	Black & White Numbered 3
4	Black & White Numbered 4

### Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 125 lbs/1000 ft.

Max. Recommended Pulling Tension: 258 lbs.

# Detailed Specifications & Technical Data



## ENGLISH MEASUREMENT VERSION

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Min. Bend Radius/Minor Axis: 5 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	NPLF, TC-ER
EU Directive 2011/65/EU (ROHS II):	Yes
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
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. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
5.86

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.75

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 7.460 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.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1049A 0107500	7,500 FT	1,035.000 LB	BLACK	C Z	4 FS PR #18 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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## 1049A Multi-Conductor - 600V Tray Cable

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.