

## 1030A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	16	7x24	BC - Bare Copper

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.016

#### 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	.037

Outer Jacket Ripcord: Yes

#### Overall Cabling

Overall Cabling Color Code Chart:

Number	Color
1	Black & White

Overall Nominal Diameter: 0.257 in.

#### Pair

Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.000	6.000

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 42.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 94 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.600 in.

## 1030A Multi-Conductor - 300V Power-Limited Tray Cable

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	ITC, PLTC
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°C)
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

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

#### Suitability

Sunlight Resistance:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.19

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

61

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

Capacitance (pF/ft)

114

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

3.7

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.1

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

11 Amps per conductor @ 25°C

### Put Ups and Colors:

## 1030A Multi-Conductor - 300V Power-Limited Tray Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1030A 0061000	1,000 FT	45.000 LB	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 00610000	10,000 FT	470.000 LB	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 0101000	1,000 FT	46.000 LB	BLACK	C	2 #16 PVC FS PVC
1030A 01010000	10,000 FT	480.000 LB	BLACK	C Z	2 #16 PVC FS PVC
1030A 0105000	5,000 FT	225.000 LB	BLACK		2 #16 PVC 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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