

## 1032A Multi-Conductor - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1



### Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	18	7x26	BC - Bare Copper

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.406

#### 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
20	7x28	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 5.918 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & White

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
50.8	19.686

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 48.367 Kg/Km

Max. Recommended Pulling Tension: 115.653 N

Min. Bend Radius/Minor Axis: 58.420 mm

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC, PLTC
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°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

Suitability - Burial:	No
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)  
0.62339

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)  
167.331

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

Capacitance (pF/m)  
311.695

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)  
19.2267

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)  
16.6347

### Max. Operating Voltage - UL:

Voltage  
300 V RMS

### Max. Recommended Current:

Current  
8 Amps per conductor @ 25°C

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### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1032A 0061000	305 MT	14.515 KG	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 00610000	3,048 MT	158.758 KG	BLUE, LIGHT	C	2 #18 PVC FS PVC
1032A 0065000	1,524 MT	72.575 KG	BLUE, LIGHT	C Z	2 #18 PVC FS PVC
1032A 0101000	305 MT	14.515 KG	BLACK	C	2 #18 PVC FS PVC
1032A 01010000	3,048 MT	176.902 KG	BLACK	C Z	2 #18 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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