

## 1033A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1



### Description:

**20 AWG** pairs stranded (7x28) 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	20	7x28	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material	Dia. (in.)
PVC - Polyvinyl Chloride	.068

#### 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
22	7x30	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 Lay Length & Direction:

Direction
Left-hand Lay

Overall Nominal Diameter: **0.213 in.**

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & White

### Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 29 lbs/1000 ft.

Max. Recommended Pulling Tension: **42 lbs.**

Min. Bend Radius (Install)/Minor Axis: 2.250 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	PLTC, ITC, CMG
CEC/C(UL) Specification:	CMG
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
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202
ICEA Flame Test:	T-29-520

### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)
55

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
9.5

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
38

### Max. Operating Voltage - UL:

Voltage
300 V RMS (PLTC CMG)
150 V RMS (ITC)

## Put Ups and Colors:

## 1033A Multi-Conductor - 300V Power-Limited Tray Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1033A 0101000	1,000 FT	30.000 LB	BLACK	C	2 #20 PVC FS PVC
1033A 0101000	10,000 FT	270.000 LB	BLACK	C Z	2 #20 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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