

## 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

Total Number of Conductors: 2

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.4064

#### 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 (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Color Code Chart:

Number	Color
1	Black & White

Overall Nominal Diameter: 6.528 mm

#### Pair

##### Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
76.200	13.124

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 62.951 Kg/Km

Max. Recommended Pulling Tension: 177.928 N

Min. Bend Radius/Minor Axis: 66.040 mm

### 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 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

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/m)	0.62339
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	200.141
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#### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)	374.034
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	12.1397
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	16.7331
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#### Max. Operating Voltage - UL:

Voltage	300 V RMS
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#### Max. Recommended Current:

Current	11 Amps per conductor @ 25°C
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### Put Ups and Colors:

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

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1030A 0061000	305 MT	20.412 KG	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 00610000	3,048 MT	213.189 KG	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 0065000	1,524 MT	99.791 KG	BLUE, LIGHT		2 #16 PVC FS PVC
1030A 0101000	305 MT	20.865 KG	BLACK	C	2 #16 PVC FS PVC
1030A 01010000	3,048 MT	217.725 KG	BLACK	C Z	2 #16 PVC FS PVC
1030A 0105000	1,524 MT	102.059 KG	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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