

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



For more Information
please call

1-800-Belden1



General 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	0.432

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: 6.579 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: 63.993 Kg/Km

Max. Recommended Pulling Tension: 177.928 N

Min. Bend Radius/Minor Axis: 25.400 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes

METRIC MEASUREMENT VERSION

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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
MIL 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 ($\mu\text{H/m}$)
0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
200.141

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
374.034

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
12.1397

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
16.7331

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
11 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1030A 0061000	1,000 FT	44.000 LB	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 00610000	10,000 FT	500.000 LB	BLUE, LIGHT	C	2 #16 PVC FS PVC
1030A 0065000	5,000 FT	215.000 LB	BLUE, LIGHT		2 #16 PVC FS PVC
1030A 0101000	1,000 FT	44.000 LB	BLACK	C	2 #16 PVC FS PVC
1030A 01010000	10,000 FT	460.000 LB	BLACK	C Z	2 #16 PVC FS PVC
1030A 01020000	20,000 FT	880.000 LB	BLACK		2 #16 PVC FS PVC
1030A 0105000	5,000 FT	215.000 LB	BLACK	C Z	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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