

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	0.4064

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 Directive 2011/65/EU (ROHS II):	Yes
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
----------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/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

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

Put Ups and Colors:

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	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.

Revision Number: 2 Revision Date: 07-20-2012

© 2013 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.