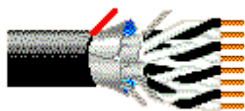


## 1043A Multi-Conductor - 600V Tray Cable



For more Information  
please call

1-800-Belden1

**Description:**

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
16	16	7x24	BC - Bare Copper

**Insulation**

Insulation Material:

Insulation Material
PVC/Nylon - Polyvinyl Chloride/Nylon

**Inner Shield**

Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
18

Inner Shield Drain Wire Stranding: 7x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**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
16	7x24	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.085

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Cabling Lay Length & Direction:

Length (in.)
12.0

Overall Nominal Diameter: 1.035 in.

**Pair**

Pair Color Code Chart:

Number	Color
--------	-------

## 1043A Multi-Conductor - 600V Tray Cable

1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12
13	Black & White and Numbered 13
14	Black & White and Numbered 14
15	Black & White and Numbered 15
16	Black & White and Numbered 16

## Pair Lay Length &amp; Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
2.750	4.360

## Mechanical Characteristics (Overall)

Wet Temperature Range:	-30°C To +75°C
Dry Temperature Range:	-30°C To +90°C
Bulk Cable Weight:	623.100 lbs/1000 ft.
Max. Recommended Pulling Tension:	1537 lbs.
Min. Bend Radius (Install)/Minor Axis:	10.400 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification:	NPLF, TC
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
Other Specification:	ICEA S-73-532, S-61-402

## Flame Test

UL Flame Test:	UL1685 UL Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202

## Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (μH/ft)
.20

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

Capacitance (pF/ft)
87

### Nom. Mutual Capacitance:

Capacitance (pF/ft)
50

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.67

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.79

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 5.070 Ohm/1000 ft

### Max. Operating Voltage - UL:

Voltage
600 V RMS (NEC Type TC)
150 V RMS (NPLF)

## Notes (Overall)

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

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1043A 0102500	2,500 FT	1,765.000 LB	BLACK	C Z	16 FS PR #16 PVC/NYL 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: 1    Revision Date: 06-15-2011

© 2012 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.