

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION



## 9368 Multi-Conductor - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1



### General Description:

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, individually shielded (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	18	19x30	TC - Tinned Copper

Total Number of Conductors:

4

#### Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

#### 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
20

Inner Shield Drain Wire Stranding:

19x32

Inner Shield Drain Wire Conductor Material:

TC - Tinned Copper

#### Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.0668

Outer Jacket Ripcord:

Yes

#### Overall Cable

Overall Cabling Lay Length & Direction:

Direction
Left-hand Lay

Overall Nominal Diameter:

9.601 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red #1
2	Black & Red #2

### Mechanical Characteristics (Overall)

Operating Temperature Range:

-30°C To +105°C

UL Temperature Rating:

105°C

Bulk Cable Weight:

102.686 Kg/Km

Max. Recommended Pulling Tension:

556.025 N

Min. Bend Radius/Minor Axis:

95.250 mm

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

## 9368 Multi-Conductor - 300V Power-Limited Tray Cable

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/UL Specification:	PLTC, ITC, CMG
CEC/C(UL) Specification:	CMG
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
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
---------------	----

### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance ( $\mu$ H/m)
0.59058

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
334.662

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
187.017

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.5548

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 27.232 Ohm/km

#### Max. Operating Voltage - UL:

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

#### Max. Recommended Current:

Current
6.4 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9368 0601000	305 MT	31.298 KG	CHROME	C	2 PR #18 PVC SH PVC
9368 0602500	762 MT	78.245 KG	CHROME	Z	2 PR #18 PVC SH PVC
9368 0605000	152 MT	16.329 KG	CHROME	C	2 PR #18 PVC SH PVC

# Detailed Specifications & Technical Data



## METRIC MEASUREMENT VERSION

### 9368 Multi-Conductor - 300V Power-Limited Tray Cable

9368 0605000	1,524 MT	158.758 KG	CHROME	Z	2 PR #18 PVC SH 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: 05-14-2007

© 2014 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.