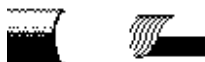


## 8413 Multi-Conductor - Two-Conductor, Low-Impedance Cable



For more Information  
please call

1-800-Belden1

**Description:**

24 AWG stranded (45x40) TC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (56% coverage), cotton spiral, EPDM jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	24	45x40	Tinned Copper Alloy	.024

**Insulation****Insulation Material:**

Insulation Material	Wall Thickness (in.)	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.016	.065

**Outer Shield****Outer Shield Material:**

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Conductive Textile	100
2	Braid	TC - Tinned Copper	56
3	Spiral Serve	Cotton	

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.017

**Overall Cable****Overall Cabling Color Code Chart:**

Number	Color
1	White
2	Black

Overall Nominal Diameter: 0.199 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -40°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 48 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU CE Mark: Yes

EU Directive 2002/95/EC (RoHS): No

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

## 8413 Multi-Conductor - Two-Conductor, Low-Impedance Cable

55

## Nom. Inductance:

Inductance (μH/ft)

0.19

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

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

Capacitance (pF/ft)

55

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

28.7

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.38

## Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8413 010U500	500 FT	14.000 LB	BLACK		2 #24 EPDM SHLD EPDM
8413 010100	100 FT	3.200 LB	BLACK		2#24 EPDM SHLD EPDM
8413 010500	500 FT	13.500 LB	BLACK		2 #24 EPDM SH EPDM

Revision Number: 2    Revision Date: 05-14-2007

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