

1883A Multi-Conductor - Single-Pair Cable



For more Information
please call

1-800-Belden1



Description:

24 AWG stranded (7x32) TC conductors, polypropylene insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	24	7x32	TC - Tinned Copper	0.6096

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.016

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
24	7x32		TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 3.124 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (cm)	Twists/ft. (twist/m)
3.81	8

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Bulk Cable Weight:	14.436 Kg/Km
Max. Recommended Pulling Tension:	71.171 N
Min. Bend Radius (Install)/Minor Axis:	30.480 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

1883A Multi-Conductor - Single-Pair Cable

CEC/C(UL) Specification:	CMG
EU CE Mark:	No
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
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 UL Loading
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

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

Impedance (Ohm)

52

Nom. Inductance:Inductance ($\mu\text{H}/\text{m}$)

0.55777

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

101.711

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

190.298

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

77.1035

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

60.6985

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2 Amps per conductor @ 25°C

Notes (Overall)

Notes: Jacket and shield are bonded so both can be removed with automatic stripping equipment. For cross-connect use with 1408R Snake Cables.

Put Ups and Colors:

1883A Multi-Conductor - Single-Pair Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1883A N3UU1000	305 MT	5.443 KG	GREEN, MIL		2 #24 PP FS FRPVC
1883A 001U1000	305 MT	5.443 KG	BROWN		2 #24 PP FS FRPVC
1883A 002U1000	305 MT	5.443 KG	RED		2 #24 PP FS FRPVC
1883A 006U1000	305 MT	5.443 KG	BLUE, LIGHT		2 #24 PP FS FRPVC
1883A 007U1000	305 MT	5.443 KG	VIOLET		2 #24 PP FS FRPVC
1883A 008U1000	305 MT	5.443 KG	GRAY		2 #24 PP FS FRPVC
1883A 0081000	305 MT	4.990 KG	GRAY		2 #24 PP FS FRPVC
1883A 009U1000	305 MT	5.443 KG	WHITE		2 #24 PP FS FRPVC
1883A 010U1000	305 MT	5.443 KG	BLACK		2 #24 PP FS FRPVC

Revision Number: 1 Revision Date: 05-14-2007

© 2008 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.