Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

1883A Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1

General 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. (in.)
1	24	7x32	TC - Tinned Copper	.024

Total Number of Conductors:	2

Insulation

Insulation Material:

Insulation Material	Dia. (in.)
PP - Polypropylene	.040

Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100.000

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 Cable

Overall Nominal Diameter:	0.121 in.

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +60°C
Bulk Cable Weight:	10 lbs/1000 ft.
Max. Recommended Pulling Tension:	16 lbs.
Min. Bend Radius/Minor Axis:	1.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMR
CEC/C(UL) Specification:	CMG
EU Directive 2011/65/EU (ROHS II):	Yes
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 (µH/ft)
.17

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
31

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
58

Nominal Velocity of Propagation:

VP (%)
66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
23.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
18.5

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
2 Amps per conductor @ 25°C

Notes (Overall)

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield. For cross-connect use with 1408R (et. al.) Snake Cables.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1883A N3UU1000	1,000 FT	12.000 LB	GREEN, MIL		2 #24 PP FS FRPVC
1883A N3U1000	1,000 FT	11.000 LB	GREEN, MIL		2 #24 PP FS FRPVC
1883A 001U1000	1,000 FT	12.000 LB	BROWN		2 #24 PP FS FRPVC
1883A 0011000	1,000 FT	11.000 LB	BROWN		2 #24 PP FS FRPVC
1883A 002U1000	1,000 FT	12.000 LB	RED		2 #24 PP FS FRPVC
1883A 0021000	1,000 FT	11.000 LB	RED		2 #24 PP FS FRPVC
1883A 006U1000	1,000 FT	12.000 LB	BLUE, LIGHT		2 #24 PP FS FRPVC
1883A 0061000	1,000 FT	11.000 LB	BLUE, LIGHT		2 #24 PP FS FRPVC
1883A 007U1000	1,000 FT	12.000 LB	VIOLET		2 #24 PP FS FRPVC
1883A 0071000	1,000 FT	11.000 LB	VIOLET		2 #24 PP FS FRPVC
1883A 008U1000	1,000 FT	12.000 LB	GRAY		2 #24 PP FS FRPVC
1883A 0081000	1,000 FT	11.000 LB	GRAY		2 #24 PP FS FRPVC
1883A 009U1000	1,000 FT	12.000 LB	WHITE		2 #24 PP FS FRPVC
1883A 0091000	1,000 FT	11.000 LB	WHITE		2 #24 PP FS FRPVC
1883A 010U1000	1,000 FT	12.000 LB	BLACK		2 #24 PP FS FRPVC
1883A 0101000	1,000 FT	11.000 LB	BLACK		2 #24 PP FS FRPVC

1883A Multi-Conductor - Single-Pair Cable

Revision Number: 2 Revision Date: 08-28-2012