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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. (mm)
1	24	7x32	TC - Tinned Copper	0.6096

Total Number of Conductors: 2

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®	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: 3.073 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

Bulk Cable Weight: 14.882 Kg/Km

Max. Recommended Pulling Tension: 71.171 N

Min. Bend Radius/Minor Axis: 31.750 mm

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
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

52

Nom. Inductance:

Inductance (µH/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: 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
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1883A Multi-Conductor - Single-Pair Cable

1883A N3UU1000	305 MT	5.443 KG	GREEN, MIL	2 #24 PP FS FRPVC
1883A N3U1000	305 MT	4.990 KG	GREEN, MIL	2 #24 PP FS FRPVC
1883A 001U1000	305 MT	5.443 KG	BROWN	2 #24 PP FS FRPVC
1883A 0011000	305 MT	4.990 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 0061000	305 MT	4.990 KG	BLUE, LIGHT	2 #24 PP FS FRPVC
1883A 007U1000	305 MT	5.443 KG	VIOLET	2 #24 PP FS FRPVC
1883A 0071000	305 MT	4.990 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 0091000	305 MT	4.990 KG	WHITE	2 #24 PP FS FRPVC
1883A 010U1000	305 MT	5.443 KG	BLACK	2 #24 PP FS FRPVC
1883A 0101000	305 MT	4.990 KG	BLACK	2 #24 PP FS FRPVC

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