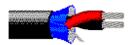
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1503A Multi-Conductor - Single-Pair Cable



For more Information please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket.

2

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors:

Insulation

Insulation Material:

nsulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.254

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Overall Cable

Overall Nominal Diameter: 3.607 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +90°C		
UL Temperature Rating:	60°C		
Bulk Cable Weight:	20.835 Kg/Km		
Max. Recommended Pulling Tension:	111.205 N		
Min. Bend Radius/Minor Axis:	38.100 mm		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMR

Page 1 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1503A Multi-Conductor - Single-Pair Cable

	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
Fla	ime Test	
	UL Flame Test:	UL1666 Riser
Ple	enum/Non-Plenum	
	Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm) 38

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 173.893

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m) 318.257

Nominal Velocity of Propagation:

VP (%) 66

Nominal Delay:

Delay (ns/m) 4.9215

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 48.2307

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 59.058

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

Current2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item # Putup Ship Weight Color Notes Item Desc
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Page 2 of 3 10-30-2013

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



1503A Multi-Conductor - Single-Pair Cable

1503A N3UU1000	305 MT	7.258 KG	GREEN, MIL	2 #22 PVC FS FRPVC
1503A 001U1000	305 MT	7.258 KG	BROWN	2 #22 PVC FS FRPVC
1503A 002U1000	305 MT	7.258 KG	RED	2 #22 PVC FS FRPVC
1503A 003U1000	305 MT	7.258 KG	ORANGE	2 #22 PVC FS FRPVC
1503A 004U1000	305 MT	7.258 KG	YELLOW	2 #22 PVC FS FRPVC
1503A 006U1000	305 MT	7.258 KG	BLUE, LIGHT	2 #22 PVC FS FRPVC
1503A 007U1000	305 MT	7.258 KG	VIOLET	2 #22 PVC FS FRPVC
1503A 008U1000	305 MT	7.258 KG	GRAY	2 #22 PVC FS FRPVC
1503A 009U1000	305 MT	7.258 KG	WHITE	2 #22 PVC FS FRPVC
1503A 010U1000	305 MT	7.258 KG	BLACK	2 #22 PVC FS FRPVC

Revision Number: 1 Revision Date: 08-13-2012

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