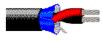
# **Detailed Specifications & Technical Data**



ENGLISH 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.

Physical Characteristics (Overall)	
Conductor	
AWG:	
# Pairs AWG Stranding Conductor Material   1 22 7x30 TC - Tinned Copper	
Total Number of Conductors:	2
Insulation Insulation Material:	
Insulation Material Wall Thickness (in.)	
PVC - Polyvinyl Chloride .010	
Outer Shield Outer Shield Material:	
Outer Shield Trade Name Type Outer Shield Material	Coverage (%)
Beldfoil® 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 Nom. Wall Thickness (in.)   PVC - Polyvinyl Chloride .020	
Overall Cable	
Overall Nominal Diameter:	0.142 in.
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:	14 lbs/1000 ft.
Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.
Applicable Specifications and Agency Complia	nce (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:	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
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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:	UL1666 Riser
Plenum/Non-Plenum	
Plenum (Y/N):	No
Electrical Characteristics (Overall)	
Nom. Characteristic Impedance:	
Impedance (Ohm) 38	
Nom. Inductance:	
Inductance (µH/ft) .18	
Nom. Capacitance Conductor to Conductor:	
Capacitance (pF/ft) 53	
Nom. Capacitance Cond. to Other Conductor & Shield:	
Capacitance (pF/ft) 97	
Nominal Velocity of Propagation:	
VP (%) 66	
Nominal Delay:	
Delay (ns/ft) 1.5	
Nom. Conductor DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 14.7	
Nominal Outer Shield DC Resistance:	
DCR @ 20°C (Ohm/1000 ft) 18	
Max. Operating Voltage - UL:	
Voltage 300 V RMS	
Max. Recommended Current:	
Current 2.9 Amps per conductor @ 25°C	
Put line and Colore:	

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1503A N3UU1000	1,000 FT	16.000 LB	GREEN, MIL		2 #22 PVC FS FRPVC
1503A 001U1000	1,000 FT	16.000 LB	BROWN	İ	2 #22 PVC FS FRPVC
1503A 002U1000	1,000 FT	16.000 LB	RED		2 #22 PVC FS FRPVC
1503A 003U1000	1,000 FT	16.000 LB	ORANGE		2 #22 PVC FS FRPVC
1503A 004U1000	1,000 FT	16.000 LB	YELLOW		2 #22 PVC FS FRPVC
1503A 006U1000	1,000 FT	16.000 LB	BLUE, LIGHT		2 #22 PVC FS FRPVC
1503A 007U1000	1,000 FT	16.000 LB	VIOLET		2 #22 PVC FS FRPVC
1503A 008U1000	1,000 FT	16.000 LB	GRAY		2 #22 PVC FS FRPVC
1503A 009U1000	1,000 FT	16.000 LB	WHITE		2 #22 PVC FS FRPVC
1503A 010U1000	1,000 FT	16.000 LB	BLACK		2 #22 PVC FS FRPVC

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

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ENGLISH MEASUREMENT VERSION

# 1503A Multi-Conductor - Single-Pair Cable

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