

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 (mm)
PVC - Polyvinyl Chloride	0.254

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 (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

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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

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/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:

 Current
 2.9 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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METRIC MEASUREMENT VERSION

1503A Multi-Conductor - Single-Pair Cable

1503A N3UU1000	1,000 FT	16.000 LB	GREEN, MIL	2 #22 PVC FS FRPVC
1503A 001U1000	1,000 FT	16.000 LB	BROWN	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

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