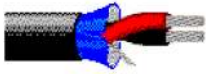


**1503A**



**Multi-Conductor - Single-Pair Cable**

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

For more  
Information  
please call

1-800-  
Belden1



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**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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

**Physical Characteristics (Overall)**

**Conductor**

**AWG:**

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

**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

**Pair Lay Length & Direction:**

Lay Length (mm)	Twists/ft. (twist/m)
44.449825	22.508

**Mechanical Characteristics (Overall)**

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

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
EJ CE Mark:	Yes
EJ Directive 2000/53/EC (ELV):	Yes
EJ Directive 2002/95/EC (RoHS):	Yes
EJ RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EJ Directive 2002/96/EC (WEEE):	Yes
EJ 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
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## 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

Close

Revision Number: 1    Revision Date: 04-18-2008

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