Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1503A Multi-Conductor - Single-Pair Cable

For more Information please call

1-800-Belden1



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 AV		Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

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:

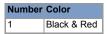
Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.020

Overall Cable

Overall Nominal Diameter: 0.142 in.

Pair

Pair Color Code Chart:



Pair Lay Length & Direction:

Lay Length (in)	Twists/ft. (twist/ft)
1.750	6.860

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 (Install)/Minor Axis:	1.500 in.

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pplicable Specifications and Agency Co	ompliance (Overall)				
Applicable Standards & Environmental Prog	oplicable Standards & Environmental Programs				
NEC/(UL) Specification:	CM				
CEC/C(UL) Specification:	CM				
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				
lame 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/f	t)
53	

Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

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DCR @ 20°C (Ohm/1000 ft)
14.7
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Nominal Outer Shield DC Resistance:

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DCR @ 20°C (Ohm/1000 ft)
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Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:



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Related Documents:

No related documents are available for this product

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		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	1,714.000 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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