# **Detailed Specifications & Technical Data**

#### **ENGLISH MEASUREMENT VERSION**



#### 1504A Multi-Conductor - Double-Pair Cable



1-800-Belden1



## **Description:**

22 AWG stranded (19x34) TC conductors, PVC insulation, dual twisted pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wire, PVC jacket in zip-cord construction.

## **Physical Characteristics (Overall)**

#### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material		
2	22	19x34	TC - Tinned Copper		

Total Number of Conductors: 4

#### 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	7x30	TC - Tinned Copper		

#### **Outer Jacket**

#### **Outer Jacket Material:**

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

#### **Overall Cable**

Overall Nominal Diameter: 0.143 x 0.286 in.

#### Pair

# Pair Color Code Chart:

Number	Color	
1	Black & Red	
2	Black & Red	

#### Pair Lay Length & Direction:

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

# **Mechanical Characteristics (Overall)**

Operating Temperature Range:	-30°C To +60°C
UL Temperature Rating:	60°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	25 lbs.
Min. Bend Radius/Minor Axis:	1.500 in.

Page 1 of 3 09-04-2012

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pplicable Specifications and Agency Co	ompliance (Overall)			
pplicable 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):	10/01/2005			
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:	UL1685 UL Loading			
Plenum/Non-Plenum				
Plenum (Y/N):	No			

#### **Electrical Characteristics (Overall)**

Nom. Characteristic Impedance:



Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



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)
13.7
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Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/	/1000 ft)
18	

Max. Operating Voltage - UL:

Voltage 150 V RMS

Max. Recommended Current:



Page 2 of 3 09-04-2012

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#### **Notes (Overall)**

Notes: The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

#### **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1504A A5QU1000	1,000 FT	32.000 LB	RED & GREEN		2 BONDED #22 FS PR PVC FR PVC
1504A A5Q2000	2,000 FT	64.000 LB	RED & GREEN	С	2 BONDED #22 FS PR PVC FR PVC
1504A G04U1000	1,000 FT	32.000 LB	RED & PURPLE		2 BONDED #22 FS PR PVC FR PVC
1504A J77U1000	1,000 FT	32.000 LB	USE 061		2 BONDED #22 FS PR PVC FR PVC
1504A 053U1000	1,000 FT	32.000 LB	RED & GRAY		2 BONDED #22 FS PR PVC FR PVC
1504A 0532000	2,000 FT	64.000 LB	RED & GRAY	С	2 BONDED #22 FS PR PVC FR PVC

#### Notes:

C = CRATE REEL PUT-UP.

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

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001 Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

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# Офис по работе с юридическими лицами:

105318, г. Москва, ул. Щербаковская д. 3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru moschip.ru\_6 moschip.ru\_4 moschip.ru\_9