

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

For more Information  
please call

1-800-Belden1



### General 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 (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	7x30	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

#### Overall Cable

Overall Nominal Diameter: 3.632 x 7.264 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 44.646 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

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

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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):	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

### Flame Test

UL Flame Test:	UL1685 UL Loading
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

45

### Nom. Inductance:

Inductance (µH/m)

0.59058

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

187.017

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

328.1

### Nominal Velocity of Propagation:

VP (%)

66

### Nominal Delay:

Delay (ns/m)

4.9215

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

44.9497

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

59.058

### Max. Operating Voltage - UL:

Voltage

150 V RMS

### Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

## Notes (Overall)

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**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	305 MT	14.515 KG	RED & GREEN		2 BONDED #22 FS PR PVC FR PVC
1504A A5Q2000	610 MT	29.030 KG	RED & GREEN	C	2 BONDED #22 FS PR PVC FR PVC
1504A G04U1000	305 MT	14.515 KG	RED & PURPLE		2 BONDED #22 FS PR PVC FR PVC
1504A J77U1000	305 MT	14.515 KG	USE 061		2 BONDED #22 FS PR PVC FR PVC
1504A 053U1000	305 MT	14.515 KG	RED & GRAY		2 BONDED #22 FS PR PVC FR PVC
1504A 0532000	610 MT	29.030 KG	RED & GRAY	C	2 BONDED #22 FS PR PVC FR PVC

**Notes:**

C = CRATE REEL PUT-UP.

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