

**1504A**



**Multi-Conductor - Double-Pair Cable**

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.

For more  
Information  
please call

1-800-  
Belden1



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**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   | RED & BLACK  |       | 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.

**Physical Characteristics (Overall)**

**Conductor**

**AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 22  | 19x34     | 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  | 7x30      | 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:** 3.632 x 7.264 mm

**Pair**

**Pair Color Code Chart:**

| Number | Color       |
|--------|-------------|
| 1      | Black & Red |
| 2      | 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 +60°C |
| <b>UL Temperature Rating:</b>                 | 60°C           |
| <b>Bulk Cable Weight:</b>                     | 44.646 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         |
| EU CE Mark:                            | Yes        |
| EU Directive 2000/53/EC (ELV):         | Yes        |
| EU Directive 2002/95/EC (RoHS):        | Yes        |
| EU RoHS Compliance Date (m/m/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 |
|----------------|-------------------|

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

45

### Nom. Inductance:

Inductance ( $\mu\text{H}/\text{m}$ )

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)

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

Close

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