

## 1266A Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

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

#### Insulation

##### Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|---------------------|---------------------|
| PP - Polypropylene  | 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 Cabling

Overall Nominal Diameter: 3.632 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)

|  |                |
|--|----------------|
| Operating Temperature Range:           | -20°C To +60°C |
| UL Temperature Rating:                 | 60°C           |
| Bulk Cable Weight:                     | 20.835 Kg/Km   |
| Max. Recommended Pulling Tension:      | 111.205 N      |
| Min. Bend Radius (Install)/Minor Axis: | 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 (mm/dd/yyyy): | 01/01/2004 |
| 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)

55

### Nom. Inductance:

Inductance (µH/m)

0.59058

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

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

Capacitance (pF/m)

177.174

### Nominal Velocity of Propagation:

VP (%)

66

### Nominal Delay:

Delay (ns/m)

4.9215

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

59.058

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

2.3 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** Unique design features lower capacitance and greater flexibility than standard audio pair constructions.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #         | Putup  | Ship Weight | Color       | Notes | Item Desc       |
|----------------|--------|-------------|-------------|-------|-----------------|
| 1266A 001U1000 | 305 MT | 6.804 KG    | BROWN       |       | 2 #22 PP FS PVC |
| 1266A 002U1000 | 305 MT | 6.804 KG    | RED         |       | 2 #22 PP FS PVC |
| 1266A 003U1000 | 305 MT | 6.804 KG    | ORANGE      |       | 2 #22 PP FS PVC |
| 1266A 004U1000 | 305 MT | 6.804 KG    | YELLOW      |       | 2 #22 PP FS PVC |
| 1266A 005U1000 | 305 MT | 6.804 KG    | GREEN, DARK |       | 2 #22 PP FS PVC |
| 1266A 006U1000 | 305 MT | 6.804 KG    | BLUE, LIGHT |       | 2 #22 PP FS PVC |
| 1266A 007U1000 | 305 MT | 6.804 KG    | VIOLET      |       | 2 #22 PP FS PVC |
| 1266A 008U1000 | 305 MT | 6.804 KG    | GRAY        |       | 2 #22 PP FS PVC |
| 1266A 009U1000 | 305 MT | 6.804 KG    | WHITE       |       | 2 #22 PP FS PVC |
| 1266A 010U1000 | 305 MT | 6.804 KG    | BLACK       |       | 2 #22 PP FS PVC |
| 1266A 0101000  | 305 MT | 6.804 KG    | BLACK       | C     | 2 #22 PP FS PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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