

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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