

1242A Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG solid bare copper conductors, conductors cabled, high density polyethylene insulation, PVC jacket.

Usage (Overall)

Suitable Applications: Station Wire, Telephone Wire

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4 | 22 | Solid | BC - Bare Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material |
|----------------------------------|
| HDPE - High Density Polyethylene |

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Outer Jacket Diameter:

| Nom. Dia. (mm) |
|----------------|
| 3.556 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Green |
| 2 | Red |
| 3 | Yellow |
| 4 | Black |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|----------------|
| Operating Temperature Range: | -20°C To +60°C |
| Bulk Cable Weight: | 22.323 Kg/Km |
| Max. Recommended Pulling Tension: | 142.342 N |
| Min. Bend Radius/Minor Axis: | 35.560 mm |
| Min. Bend/Installation: | 35.560 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| EU Directive 2011/65/EU (ROHS II): | 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 |

METRIC MEASUREMENT VERSION

1242A Multi-Conductor - Audio, Control and Instrumentation Cable

| | |
|-----------------------------------|-----|
| 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: | UL1581 Vertical Tray |
|----------------|----------------------|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------------------|
| Inductance ($\mu\text{H/m}$) |
| 0.55777 |

Nom. Capacitance Conductor to Conductor:

| |
|-------------------------------|
| Capacitance (pF/m) |
| 49.215 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 66 |

Nominal Delay:

| |
|-------------------------|
| Delay (ns/m) |
| 505.274 |

Nom. Conductor DC Resistance:

| |
|--------------------------------|
| DCR @ 20°C (Ohm/km) |
| 57.7456 |

Nom. Attenuation:

| |
|---|
| Attenuation ($\text{dB}/100\text{m}$) |
| 0.53 @ 1MHz |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 300 V RMS (CM) |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.2 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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