

## 82743 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductors, plenum, FEP insulation, twisted pairs, Flamarrest® jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 6       | 22  | 7x30      | TC - Tinned Copper |

**Insulation**

Insulation Material:

| Insulation Material                  | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| FEP - Fluorinated Ethylene Propylene | .006                 |

**Outer Shield**

Outer Shield Material:

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

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material                 | Nom. Wall Thickness (in.) |
|-------------------------|---------------------------------------|---------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | .015                      |

**Overall Cable**

Overall Nominal Diameter: 0.238 in.

**Pair**

Pair Color Code Chart:

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: 0°C To +75°C

Bulk Cable Weight: 40.400 lbs/1000 ft.

Max. Recommended Pulling Tension: 109 lbs.

Min. Bend Radius (Install)/Minor Axis: 2.500 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

## 82743 Multi-Conductor - Audio, Control and Instrumentation Cable

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

80

## Nom. Inductance:

Inductance (μH/ft)

.15

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

21

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

3.3 Amps per conductor @ 25°C (10°C rise in temp)

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color   | Notes | Item Desc         |
|---------------|----------|-------------|---------|-------|-------------------|
| 82743 8771000 | 1,000 FT | 46.000 LB   | NATURAL | C     | 6PR#22 FEP FLMRST |

## Notes:

C = CRATE REEL PUT-UP.

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