

88741 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

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

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------------------|---------------------|
| FEP - Fluorinated Ethylene Propylene | 0.178 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------------------|--------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.229 |

Overall Cable

Overall Nominal Diameter: 4.293 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 23.811 Kg/Km

Max. Recommended Pulling Tension: 80.068 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

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): 04/01/2005

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

METRIC MEASUREMENT VERSION

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Flame Test

| | |
|-----------------|----------|
| UL Flame Test: | NFPA 262 |
| CSA Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 8741 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
88

Nom. Inductance:

Inductance (µH/m)
0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
55.777

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
52.496

Nominal Conductor Loop Resistance:

Resistance @ 20°C (Ohm/km)
104.992

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

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

Put Ups and Colors:

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

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