

8441 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

Overall braid, 22 AWG stranded (7x30) TC conductors, PVC insulation, twisted pair, polyester tape + TC braid shield (85% coverage), stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

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

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .015 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 85.000 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22 | 19x34 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .025 |

Overall Cable

Overall Cabling Separator Material: Polyester Tape

Overall Nominal Diameter: 0.194 in.

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2095)

Bulk Cable Weight: 25 lbs/1000 ft.

Max. Recommended Pulling Tension: 49 lbs.

Min. Bend Radius/Minor Axis: 2 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

8441 Multi-Conductor - Audio, Control and Instrumentation Cable

| | |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2095 (300 V 80°C) |
| 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 |

Flame Test

| | |
|-----------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

45

Nom. Inductance:

Inductance (µH/ft)

0.20

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

49

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

86

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.5

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2095)

Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|------------------|
| 8441 010U1000 | 1,000 FT | 27.000 LB | BLACK | | 2 #22 PVC SH PVC |
| 8441 010U500 | 500 FT | 14.000 LB | BLACK | | 2 #22 PVC SH PVC |
| 8441 010100 | 100 FT | 3.300 LB | BLACK | | 2 #22 PVC SH PVC |

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| | | | | | |
|--------------|----------|------------|-------|---|------------------|
| 8441 0101000 | 1,000 FT | 27.000 LB | BLACK | C | 2 #22 PVC SH PVC |
| 8441 010500 | 500 FT | 14.000 LB | BLACK | C | 2 #22 PVC SH PVC |
| 8441 0105000 | 5,000 FT | 135.000 LB | BLACK | | 2 #22 PVC SH PVC |

Notes:

C = CRATE REEL PUT-UP.

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