

## 82444 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) TC conductors, conductors cabled, plenum, FEP insulation, natural Flamarrest® jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4            | 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 Trade Name | Outer Jacket Material                 | Nom. Wall Thickness (mm) |
|-------------------------|---------------------------------------|--------------------------|
| Flamarrest®             | LS PVC - Low Smoke Polyvinyl Chloride | 0.381                    |

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 3.404 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +60°C

Bulk Cable Weight: 22.323 Kg/Km

Max. Recommended Pulling Tension: 160.135 N

Min. Bend Radius/Minor Axis: 38.100 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(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

## METRIC MEASUREMENT VERSION

### 82444 Multi-Conductor - Audio, Control and Instrumentation Cable

|                             |     |
|-----------------------------|-----|
| MII Order #39 (China RoHS): | Yes |
|-----------------------------|-----|

#### Flame Test

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

#### Plenum/Non-Plenum

|                    |      |
|--------------------|------|
| Plenum (Y/N):      | Yes  |
| Non-Plenum Number: | 8444 |

#### Electrical Characteristics (Overall)

##### Nom. Capacitance Conductor to Conductor:

###### Capacitance (pF/m)

59.058

##### Nom. Conductor DC Resistance:

###### DCR @ 20°C (Ohm/km)

49.215

##### Nominal Conductor Loop Resistance:

###### Resistance @ 20°C (Ohm/km)

98.43

##### 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         |
|----------------|----------|-------------|---------|-------|-------------------|
| 82444 877U1000 | 1,000 FT | 16.000 LB   | NATURAL |       | 4C #22 FEP FLMRST |
| 82444 877U500  | 500 FT   | 8.500 LB    | NATURAL |       | 4C#22 FEP FLMRST  |
| 82444 8771000  | 1,000 FT | 16.000 LB   | NATURAL | C     | 4C#22 FEP FLMRST  |

##### Notes:

C = CRATE REEL PUT-UP.

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