



**Part Number: 2221**

**Audio Cable, #26-2c, TC, O/A Braid, CM**

## Product Description

26 AWG stranded (30x40) BC conductors cabled with fillers, Datalene® insulation, conductors cabled with fillers, TC "French Braid" Shield (95% coverage), Belflex PVC jacket.

## Technical Specifications

### Product Overview

|                      |                              |
|----------------------|------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
|----------------------|------------------------------|

### Physical Characteristics (Overall)

#### Conductor

| AWG | Stranding | Material         | No. of Pairs |
|-----|-----------|------------------|--------------|
| 26  | 30x40     | BC - Bare Copper | 1            |

|                        |        |
|------------------------|--------|
| Conductor Count:       | 2      |
| Total Number of Pairs: | 1      |
| Conductor Size:        | 26 AWG |

#### Insulation

| Material                                 | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|--|---------------------|------------------|------------------------|
| FHDPE - Foamed High Density Polyethylene | Datalene®           | 0.050 in         | 0.015 in               |

#### Color Chart

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

#### Outer Shield Material

| Type         | Material           | Coverage [%] |
|--------------|--------------------|--------------|
| French Braid | TC - Tinned Copper | 95 %         |

#### Outer Jacket Material

| Material                 | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|---------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | Belflex®            | 0.17 in          | 0.0245 in              |
|                          |                     | 0.17 in          |                        |

### Electrical Characteristics

#### Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR | Conductor Resistance | Nominal Outer Shield DCR |
|-----------------------|-----------------------|----------------------|--------------------------|
| 36 Ohm/1000ft         | 36 Ohm/1000ft         |                      | 6.6 Ohm/1000ft           |

#### Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 13 pF/ft                                |

|            |          |
|------------|----------|
| Shielding: | Braid(s) |
|------------|----------|

#### Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 110 Ohm                          |

## Delay

|   |
|---|
| <b>Nominal Velocity of Propagation (VP) [%]</b> |
| 78 %  |

## Current

|                                     |
|-------------------------------------|
| <b>Max. Recommended Current [A]</b> |
| 1.9 A                               |

## Voltage

|                          |
|--------------------------|
| <b>UL Voltage Rating</b> |
| 300 V RMS                |

## Temperature Range

|                       |                |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +60°C |
|-----------------------|----------------|

## Mechanical Characteristics

|                                  |                 |
|----------------------------------|-----------------|
| Bulk Cable Weight:               | 16.5 lbs/1000ft |
| Max Recommended Pulling Tension: | 34 lbs          |
| Min Bend Radius/Minor Axis:      | 1.75 in         |

## Standards

|                      |                       |
|----------------------|-----------------------|
| Other Specification: | AES/EBU Digital Audio |
|----------------------|-----------------------|

## Applicable Environmental and Other Programs

|                                       |                               |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV):        | Yes                           |
| EU Directive 2003/11/EC (BFR):        | Yes                           |
| EU Directive 2011/65/EU (ROHS II):    | Yes                           |
| EU Directive 2012/19/EU (WEEE):       | Yes                           |
| EU Directive 2015/863/EU:             | Yes                           |
| EU Directive Compliance:              | EU Directive 2003/11/EC (BFR) |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2011-03-10                    |
| CA Prop 65 (CJ for Wire & Cable):     | Yes                           |
| MII Order #39 (China RoHS):           | Yes                           |

## Suitability

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

## Flammability, LSOH, Toxicity Testing

|                    |          |
|--------------------|----------|
| UL Voltage Rating: | 300V RMS |
|--------------------|----------|

## Plenum/Non-Plenum

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

## Part Number

### Variants

| Item #        | Color        |
|---------------|--------------|
| 2221 B59U1000 | BLACK, MATTE |
| 2221 G7XU1000 | BLUE, MATTE  |
| 2221 G7WU1000 | GREEN, MATTE |
| 2221 B02U1000 | PURPLE       |
| 2221 G7VU1000 | RED, MATTE   |

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