# **Detailed Specifications & Technical Data**

### **ENGLISH MEASUREMENT VERSION**



# 8427 Multi-Conductor - Microphone/Musical Instrument Cable



For more Information please call

1-800-Belden1



# **Description:**

20 AWG stranded (26x34) high-conductivity TC conductors, rubber insulation, cotton wrap, rayon braid, TC braid shield (85% coverage), EPDM rubber jacket.

# **Physical Characteristics (Overall)**

### Conductor

#### AWG:

# Conductors	AWG	Stranding	Conductor Material
7	20	26x34	High Conductivity TC - Tinned Copper

#### Insulation

### Insulation Material:

Insulation Material	Wall Thickness (in.)	
EPDM - Ethylene Propylene Diene Monomer Rubber	.023	

### **Outer Shield**

#### **Outer Shield Material:**

	Outer Shield Material	
Braid	TC - Tinned Copper	85

### **Outer Jacket**

### **Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.041

### **Overall Cable**

# Overall Cabling Lay Length & Direction:

Length (in.)	Twists (ft.)
2.92	4.1

### **Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White
3	Brown
4	Green
5	Red
6	Yellow
7	Blue

Overall Cabling Separator Material: Rayon Braid, Cotton Serve

Overall Nominal Diameter: 0.355 in.

## **Mechanical Characteristics (Overall)**

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Operating Temperature Range:	-50°C To +90°C
Non-UL Temperature Rating:	60°C
Bulk Cable Weight:	89 lbs/1000 ft.
Max. Recommended Pulling Tension:	136 lbs.
Min. Bend Radius (Install)/Minor Axis:	3.550 in.

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## **Applicable Specifications and Agency Compliance (Overall)**

## **Applicable Standards & Environmental Programs**

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): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

Yes

Plenum/Non-Plenum

Plenum (Y/N): No

### **Electrical Characteristics (Overall)**

MII Order #39 (China RoHS):

Nom. Characteristic Impedance:

Impedance (Ohm) 52

Nom. Inductance:

Inductance (µH/ft) 0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 10.2

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 2.3

Max. Operating Voltage - Non-UL:

Voltage 600 V RMS

Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

### **Related Documents:**

No related documents are available for this product

## **Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8427 010100	100 FT	9.800 LB	BLACK		7 #20 EPDM BRD EPDM
8427 010250	250 FT	24.000 LB	BLACK	С	7 #20 EPDM BRD EPDM

Notes:

C = CRATE REEL PUT-UP.

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