

# Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

## 8426 Multi-Conductor - Microphone/Musical Instrument Cable



For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
6	20	26x34	High Conductivity TC - Tinned Copper

Total Number of Conductors: 6

#### Insulation

Insulation Material:

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

#### Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.037

#### Overall Cable

Overall Cabling Color Code Chart:

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

Overall Cabling Separator Material: Rayon Braid, Cotton Serve

Overall Nominal Diameter: 0.342 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -50°C To +90°C

Non-UL Temperature Rating: 60°C

Bulk Cable Weight: 82 lbs/1000 ft.

Max. Recommended Pulling Tension: 124 lbs.

Min. Bend Radius/Minor Axis: 3.500 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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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
MII Order #39 (China RoHS):	Yes

### Plenum/Non-Plenum

Plenum (Y/N):	No
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### Electrical Characteristics (Overall)

#### Nom. Characteristic Impedance:

Impedance (Ohm)
52

#### Nom. Inductance:

Inductance ( $\mu$ H/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)
2.2

#### Max. Operating Voltage - Non-UL:

Voltage
600 V RMS

#### Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8426 010100	100 FT	9.000 LB	BLACK		6 #20 EPDM BRD EPDM
8426 010250	250 FT	22.000 LB	BLACK	C	6 #20 EPDM BRD EPDM

#### Notes:

C = CRATE REEL PUT-UP.

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