

8405 Multi-Conductor - Microphone/Musical Instrument Cable



For more Information
please call

1-800-Belden1



General Description:

Mic, 20 AWG stranded (19x32) high-conductivity TC conductors, cabled, polyethylene insulation, rayon braid, TC braid shield (85% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
5	20	19x32	High Conductivity TC - Tinned Copper	0.9398

Total Number of Conductors: 5

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PE - Polyethylene	0.4064	1.7526

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.889

Overall Cable

Overall Cabling Fillers: Jute

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Clear
3	Green
4	Red
5	Blue

Overall Cabling Separator Material: Rayon Braid

Overall Cabling Separator Thickness: 0.127 mm

Overall Nominal Diameter: 7.137 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C (UL AWM Style 2094)

Bulk Cable Weight: 87.804 Kg/Km

Max. Recommended Pulling Tension: 618.300 N

Min. Bend Radius/Minor Axis: 71.120 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification: UL Style 2094 (300 V 60°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

METRIC MEASUREMENT VERSION

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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
MIL Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
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Plenum/Non-Plenum

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

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

75.463

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

131.24

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

33.4662

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

11.3851

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2094)

Max. Recommended Current:

Current

3.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8405 0601000	1,000 FT	63.000 LB	CHROME	C	5 #20 PE SHLD PVC
8405 060250	250 FT	16.500 LB	CHROME	C	5 #20 PE SHLD PVC
8405 060500	500 FT	31.000 LB	CHROME		5 #20 PE SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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