



**Part Number: 8422**

Microphone Cable, #22-2c, TC, O/A Braid, CM

**Product Description**

22 AWG stranded (16x34) high-conductivity tinned copper conductors, polyethylene insulation, cotton braid, double tinned copper braid shield (85% coverage), PVC jacket.

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor (Not Riser or Plenum)
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
22	16x34	High Conductivity TC - Tinned Copper	0.031 in	2
Conductor Count:			2	
Conductor Size:			22 AWG	

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PE - Polyethylene	0.072 in	0.021 in

**Color Chart**

Number	Color
1	Clear
2	Black

**Outer Shield Material**

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	85 %

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
PVC - Polyvinyl Chloride	0.231 in	0.022 in	Cotton Braid
	0.231 in		

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Conductor DCR	Conductor Resistance	Nominal Outer Shield DCR
15.9 Ohm/1000ft	15.9 Ohm/1000ft		3.5 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
18 pF/ft	32 pF/ft

**Inductance**

Nominal Inductance
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0.22 µH/ft

#### Impedance

##### Nominal Characteristic Impedance

90 Ohm

#### Current

##### Max. Recommended Current [A]

2.9 Amps per conductor @ 25°C

#### Voltage

##### Non-UL Voltage Rating

1000 V RMS

#### Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-40°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
Max Recommended Pulling Tension:	93 lbs
Min Bend Radius/Minor Axis:	2.3 in

#### 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 CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Footnote
8422 0601000	Chrome	C
8422 060500	Chrome	C
8422 060U1000	Chrome	

Footnote:	C - CRATE REEL PUT-UP.
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