

**Product: [8412](#)**


Microphone Cable, 2 C #20 Str TC, Rayon &amp; 85% TC Braid, Cotton Serve, EPDM Jkt

**Product Description**

Microphone Cable, 2 Conductor 20 AWG (26 x 34) Tinned Copper (High conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, EPDM Jacket

**Technical Specifications**
**Product Overview**

Suitable Applications:	Ruggedized, deployable microphone for studio or live performance; Balanced analog audio
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**Construction Details**
**Conductor**

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	20 AWG	26x34	TC - Tinned Copper (High Conductivity)

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.023 in (0.58 mm)	0.083 in (2.1 mm)	White, Black

**Outer Shield**

Shield Type	Material	Coverage
Braid	Rayon®	85%
Braid	Tinned Copper (TC)	85%

**Outer Jacket**

Separator	Material	Nom. Thickness	Nom. Diameter
Cotton Serve	EPDM - Ethylene Propylene Diene Monomer	0.035 in (0.89 mm)	0.262 in (6.65 mm)

Overall Cable Diameter (Nominal): 0.262 in (6.65 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedance	Nom. Inductance	Max. Current
Conductor(s)	10.6 Ohm/1000ft	33 pF/ft (110 pF/m)	58 pF/ft (190 pF/m)	67 Ohm	0.18 µH/ft (0.59 µH/m)	4 Amps per conductor @ 25°C

Nom Outer Shield DCR: 4.5 Ohm/1000ft (15 Ohm/km)

**Voltage**

Voltage Rating
600 V

**Mechanical Characteristics**
**Temperature**

Operating
-50°C to +90°C

## Bend Radius

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension:	100 lbs (45 kg)
Bulk Cable Weight:	44 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Plenum Number:	8412P

## History

Update and Revision:	Revision Number: 0.523 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8412 010100	Black	Reel	100 ft	612825206361	
8412 010250	Black	Reel	250 ft	612825206385	
8412 010500	Black	Reel	500 ft	612825206330	C
8412 010U500	Black	UnReel	500 ft	612825396987	
8412 0101000	Black	Reel	1,000 ft	612825206378	C
8412 010U1000	Black	UnReel	1,000 ft	612825206347	
8412 0061000	Blue, Light	Reel	1,000 ft	612825206354	C
8412 0021000	Red	Reel	1,000 ft	612825206316	C
8412 0041000	Yellow	Reel	1,000 ft	612825206323	C

Footnote:	C - CRATE REEL PUT-UP.
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