

**Product: [8428](#)**
**Microphone Cable, 2 Conductor 18 AWG, TC**

**Product Description**

Microphone Cable, 2 Conductor, 18 AWG stranded (41x34) High-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, CPE 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	18	41x34	TC - Tinned Copper (High Conductivity)

**Insulation**

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	EPDM - Ethylene Propylene Diene Monomer	0.0235 in (0.597 mm)	0.1 in (2.5 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	CPE - Chlorinated Polyethylene	0.030 in (0.76 mm)	0.29 in (7.4 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)	6.8 Ohm/1000ft	35 pF/ft (110 pF/m)	60 pF/ft (200 pF/m)	50 Ohm	0.19 $\mu$ H/ft (0.62 $\mu$ H/m)	5.2 Amps per Conductor at 25°C
Nom Outer Shield DCR:		2.7 Ohm/1000ft (8.9 Ohm/km)				

**Voltage**

Voltage Rating
600 V

**Mechanical Characteristics**
**Temperature**

Operating
-30°C To +60°C

Max. Pull Tension:	138 lbs (62.6 kg)
Bulk Cable Weight:	54 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.451 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8428 010100	Black	Reel	100 ft	612825206880	
8428 010500	Black	Reel	500 ft	612825206866	C
8428 010U500	Black	UnReel	500 ft	612825206989	
8428 0101000	Black	Reel	1,000 ft	612825206897	C

Footnote:	C - CRATE REEL PUT-UP.
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