



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	Number of Element	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 Impedence	Max. Current
Conductor(s)	6.8 Ohm/1000ft	35 pF/ft (110 pF/m)	60 pF/ft (200 pF/m)	50 Ohm	5.2 Amps per Conductor at 25°C

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: 0.447 Revision Date: 01-20-2023
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Part Numbers

Variants

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

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