

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
------------------------	---

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 µH/ft (0.62 µH/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
----------------------	--

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.
-----------	------------------------

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.