



Product: [8412](#)

Microphone Cable, 2 C #20 Str TC, Rayon & 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
------------------------	---

#### Construction Details

##### Conductor

Element	Number of Element	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 Impedence	Max. Current
Conductor(s)	10.6 Ohm/1000ft	33 pF/ft (110 pF/m)	58 pF/ft (190 pF/m)	67 Ohm	4 Amps per conductor @ 25°C

##### 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: 0.519 Revision Date: 01-20-2023
----------------------	--

## Part Numbers

### Variants

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

© 2023 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.