



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

Microphone Cable, 2 Conductor 20 AWG TC

**Product Description**

Microphone Cable, 2 Conductor 20 AWG stranded (26x34) high-conductivity TC conductors, EPDM rubber insulation, rayon braid, TC braid shield (85% coverage), cotton wrap, EPDM jacket.

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor (Not Riser or Plenum)
----------------------	------------------------------

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
20	26x34	High Conductivity TC - Tinned Copper	0.037 in	2

Conductor Count:	2
------------------	---

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer Rubber	0.083 in	0.023 in

**Color Chart**

Number	Color
1	White
2	Black

**Outer Shield Material**

Type	Layer	Material	Coverage [%]
Braid	1	Cotton	
Braid	2	TC - Tinned Copper	85 %

Outer Shield Table Note:	Cotton Wrap
--------------------------	-------------

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer Rubber	0.262 in	0.035 in	Rayon Braid

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
10.6 Ohm/1000ft	4.5 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33 pF/ft	58 pF/ft

**Inductance**

<b>Nominal Inductance</b>
---------------------------

0.18 µH/ft

#### Impedance

##### Nominal Characteristic Impedance

67 Ohm

#### Current

##### Max. Recommended Current [A]

4 Amps per conductor @ 25°C

#### Voltage

##### Non-UL Voltage Rating

600 V RMS

#### Temperature Range

Non-UL Temp Rating:	90°C
Operating Temp Range:	-50°C To +90°C

#### Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max Recommended Pulling Tension:	100 lbs
Min Bend Radius/Minor Axis:	2.75 in

#### Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	8412P

#### Part Number

#### Variants

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

Footnote: C - CRATE REEL PUT-UP.

#### History

© 2020 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.