Product: 8418

Microphone Cable, 8 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt, Flexible

Product Description

Microphone Cable, 8 Conductor 20 AWG (26 x 34) Tinned Copper (High Conductivity), EPDM Insulation, Rayon® Braid, 85% Tinned Copper Braid Shield, Cotton Serve, EPDM Jacket, Flexible

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)	8	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)	Black, White, Brown, Green, Red, Yellow, Orange, Blue

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	0.037 in (0.94 mm)	0.381 in (9.68 mm)

Overall Cable Diameter (Nominal):	0.381 in (9.68 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)	10.2 Ohm/1000ft	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	52 Ohm	2.8 Amps per Conductor at 25ºC

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-50°C to +90°C

Bend Radius

Stationary Min.	Installation Min.

3.8 in (97 mm)	3.8 in (97 mm)

Max. Pull Tension:	164 lbs (74.4 kg)
Bulk Cable Weight:	100 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
CPR Compliance:	CPR Euroclass: Fca
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: 0.505 Revision Date: 01-20-2023

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8418 010100	Black	Reel	100 ft	612825206491	
8418 010250	Black	Reel	250 ft	612825355281	C

© 2024 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.