

Product: 8423

Microphone Cable, 3 C #20 Str TC, Rayon & 85% TC Braid, Cotton Serve, EPDM Jkt

Product Description

Microphone Cable, 3 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	No. of Elements	Size	Stranding	Material
Conductor(s)	3	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, Red

Outer Shield

Shield Type	Material	Coverage
Braid	Rayon®	83%
Braid	Tinned Copper (TC)	83%

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Cotton Serve	EPDM - Ethylene Propylene Diene Monomer	0.040 in (1.0 mm)	0.272 in (6.91 mm)

Overall Cable Diameter (Nominal):	0.272 in (6.91 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
Conductor(s)	10.2 Ohm/1000ft	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	52 Ohm	0.18 µH/ft (0.59 µH/m)	4 Amps per conductor @ 25°C

Nom Outer Shield DCR@Cond DCR1-cnv:	3.3 Ohm/1000ft (11 Ohm/km)

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating
-50°C to +90°C

Bend Radius

Stationary Min.	Installation Min.
2.7 in (69 mm)	2.7 in (69 mm)

Max. Pull Tension:	88 lbs (40 kg)
Bulk Cable Weight:	53 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: 0.514 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8423 010100	Black	Reel	100 ft	612825206569	
8423 010500	Black	Reel	500 ft	612825206590	
8423 0101000	Black	Reel	1,000 ft	612825206576	C

Footnote:	C - CRATE REEL PUT-UP.

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