Product: 8405



Microphone Cable, 5 Conductor 20 AWG, TC

Product Description

Mic, 20 AWG stranded (19x32) high-conductivity TC conductors, cabled, polyethylene insulation, rayon braid, TC braid shield (85% coverage), PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	Ruggedized, deployable microphone for studio or live performance; Balanced analog audio

Construction Details

Conductor

No. of Elements	Size	Stranding	Material
5	20	19x32	TC - Tinned Copper (High Conductivity)

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PE - Polyethylene	0.016 in (0.41 mm)	0.069 in (1.8 mm)	Black, Clear, Green, Red, 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	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.281 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
10.2 Ohm/1000ft (33.5 Ohm/km)	23 pF/ft (75 pF/m)	40 pF/ft (130 pF/m)	3.2 Amps per Conductor at 25ºC

Nom Outer Shield DCR:	3.47 Ohm/1000ft (11.4 Ohm/km)

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2094)

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C To +60°C

Max. Pull Tension:	139 lbs (63.0 kg)
Bulk Cable Weight:	59 lbs/1000ft (88 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 UL Loading, VW-1
AWM Compliance:	AWM 2094 (300 V 60°C)
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: 0.388 Revision Date: 11-06-2026

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8405 060250	Chrome	Reel	250 ft	612825206224	C
8405 060500	Chrome	Reel	500 ft	612825206231	
8405 0601000	Chrome	Reel	1,000 ft	612825206217	C

Footnote:	C - CRATE REEL PUT-UP.

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