Product: 8406 ⬀

Microphone Cable, 3 Conductor 24 AWG, TC

Product Description

24 AWG stranded (45x40) TC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (60% coverage), cotton serve, EPDM rubber jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
24	45x40	TCA - Tinned Copper Alloy	0.024 in	3
Conductor Count:		3		

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
EPDM - Ethylene Propylene Diene Monomer	0.065 in	0.016 in

Color Chart

Number	Color
1	Black
2	Red
3	White

Outer Shield

Type	Layer	Material	Coverage [%]
Tape	1	Textile (Conductive)	100%
Braid	2	Tinned Copper (TC)	60%
	3		

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Separator Material
EPDM - Ethylene Propylene Diene Monomer	0.223 in	0.025 in	Cotton Serve

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR
28.7 Ohm/1000ft	28.7 Ohm/1000ft	11.38 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	55 pF/ft

Current

Max. Recommended Current [A]
2.2 Amps per Conductor at 25ºC

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
Operating Temp Range:	-40°C To +90°C

Mechanical Characteristics

Bulk Cable Weight:	33 lbs/1000ft
Max. Pull Tension:	67 lbs
Min. Bend Radius/Minor Axis:	2.25 in

Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2011/65/EU (RoHS 2):	No
EU Directive 2015/863/EU (RoHS 2 amendment):	No
EU CE Mark:	No

Suitability

Suitability - Indoor:	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Put-Up Type	Length	UPC
8406 010100	Black	Reel	100 ft	612825206248
8406 010500	Black	Reel	500 ft	612825206255

History

Update and Revision:	Revision Number: 0.384 Revision Date: 12-15-2021

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