



Product: [8412P](#)

Plenum Microphone Cable, 2 Conductor 20 AWG, CMP

Product Description

20 AWG, 2 stranded (7x28) high-conductivity TC conductors, FEP Teflon® insulation, TC braid shield (85%), FEP Teflon® jacket.

Technical Specifications

Product Overview

Suitable Applications:	Audio, Analog Audio, Microphone
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
20	7x28	TC - Tinned Copper	0.038	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	.074 in

Color Chart

Number	Color
1	Dark Blue
2	Clear

Outer Shield Material

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	90%

Outer Jacket Material

Material	Nominal Diameter
FEP - Fluorinated Ethylene Propylene	.198 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
9.5 Ohm/1000ft	3.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
18.4 pF/ft

Inductance

Nominal Inductance
0.2 µH/ft

Temperature Range

Operating Temp Range:	-70°C to +200°C
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Mechanical Characteristics

Bulk Cable Weight:	35 lbs/1000ft
Max. Pull Tension:	68 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

NEC/(UL) Compliance:	CMP
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Applicable Environmental and Other Programs

Environmental Space:	Outdoor - Aerial
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Suitability

Suitability - Aerial:	Yes - Black only, when supported by messenger wire
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes - Black only

Flammability, LSOH, Toxicity Testing

UL Flammability:	NFPA 262
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Part Number

Non-Plenum Number:	8412
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Variants

Item #	Color	Putup Type	Length	UPC
8412P 010500	Black	Reel	500 ft	612825206415
8412P 0101000	Black	Reel	1,000 ft	612825397182
8412P 009500	White	Reel	500 ft	612825397175
8412P 0091000	White	Reel	1,000 ft	612825397168

History

Update and Revision:	Revision Number: 0.72 Revision Date: 09-30-2020
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