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

Construction Details

Conductor

Size	Stranding	Material
20	7x28	TC - Tinned Copper

Insulation

Material	Nom. Insulation Diameter	Color Code
FEP - Fluorinated Ethylene Propylene	.074 in (1.9 mm)	Dark Blue, Clear

Outer Shield

Shield Type	Material	Coverage
Braid	Bare Copper (BC)	90%

Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.198 in (5.03 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.
9.5 Ohm/1000ft (31 Ohm/km)	18.4 pF/ft (60.4 pF/m)	33.1 pF/ft (109 pF/m)	70%

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-70°C to +200°C

Max. Pull Tension:	68 lbs (31 kg)
Bulk Cable Weight:	35 lbs/1000ft (52 kg/km)

Standards and Compliance

Environmental Suitability:	Outdoor - Aerial, Indoor, Aerial - Black only, When supported by messenger wire

Flammability / Reaction to Fire:	NFPA 262, FT6
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	CMP
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
Non-Plenum Number:	8412

History

Update and Revision:	Revision Number: 0.216 Revision Date: 02-15-2024

Part Numbers

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

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