



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

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|----------------------|--|
| 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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