P/DMX Datasheet

DESCRIPTION:

The Sescom P/DMX series is of 5-Pin XLR plenum-rated DMX cables are designed for carrying digital lighting control data between dimmers, fixtures and effect devices in permanent installations. Ideal for theaters, houses of worship, venues, schools and corporate spaces where control runs pass through plenum spaces.

FEATURES:

- High-Quality Neutrik 5-Pin Connectors
- Dual Shielded
- Plenum Rated
- Meets DMX-512 Specifications to Ensure Reliable Data Transmission



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Export Information
Country of Origin: USA
US ECCN: EAR99
HTS Code: 8544.42
US Dept. of Commerce CCATS: N.a
A Division of Tower Products Incorporated
Revision #01

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SPECIFICATIONS:

DMX-512 Cable:

- **Conductor Material:** Tinned Annealed Bare Copper
- **Conductor AWG:** 24
- **Conductor Stranding:** 7
- **Conductor Diameter:** 0.024in (0.61mm)
- **Insulation Material:** Ethylene Propylene
- **Insulation Wall Thickness:** 0.022in (0.56mm)
- **Insulation Diameter:** 0.068in (1.73mm)
- **Pair Lay Length:** 1.0in (25.4mm)
- **Twist:** 12 twist per foot/ 80 twists per meter
- **Shield 1 Type:** Tape
- **Shield 1 Material/Coverage %:** Aluminum/Polyester/100%
- **Shield 2 Type:** Braid
- **Shield 2 Material/Coverage %:** Tinned Copper/100%
- **Drainwire Material:** Tinned Copper
- **Drainwire AWG:** 24
- **Drainwire Stranding:** 7
- **Jacket Material:** Polyvinyl Chloride
- **Jacket Wall Thickness:** 0.015in (0.38mm)
- **Jacket Diameter:** 0.277in (5.70mm)
- **Overall Cable Diameter:** 0.277in (5.70mm)
- **DC Resistance:** 25.67 Ω / 1000ft
- **Shield DCR:** 2.4Ω / 1000ft
- **Capacitance:** 10.5 pF/FT
- **Shield Capacitance:** 18.4 pF/FT
- **Impedance:** 120 Ω
- **Velocity of Prop%:** 79
- **Voltage Rating:** 300V
- **Pull Tension:** 52lbs (231 N)
- **Bend Radius:**
  - Static: 2.77in (57mm)
  - Flexing: 5.54in (114mm)

Neutrik 5-Pin XLR Connectors:

- **Capacitance between Contacts:** ≤ 7 pF
- **Contact Resistance:** ≤ 3 mΩ
- **Dielectric Strength:** 1.5 kVdc
- **Insulation Resistance:** > 10 GΩ
- **Rated Current per Contact:** 7.5 A
- **Rated Voltage:** < 50 V
- **Insertion Force:** ≤ 20 N
- **Withdrawal Force:** ≤ 20 N
- **Lifetime:** > 1000 mating cycles
- **Locking Device:** Latch Lock
- **Protection Class:** IP 40

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