

PMX422

HighFlex DMX - 512 Cable

The PMX422 is a 110 Ohm DMX-AES cable which is especially developed for professional use in highly demanding applications. It's 22 AWG (0.34 mm²) tinned copper conductors surrounded by an Aluminum foil and high-coverage tinned copper braiding provide a double layered shielding. This ensures an optimal signal transmission with high immunity against noise and interference caused by external devices.




The combination of stranded conductors and the smooth flexible PVC outer jacket provides a great flexibility with a solid feel. The dark grey outer jacket further improves the ease of use by making it easy to distinguish these 110 Ohm cables from standard microphone cables while remaining discrete in installations.



DMX/512

110Ω

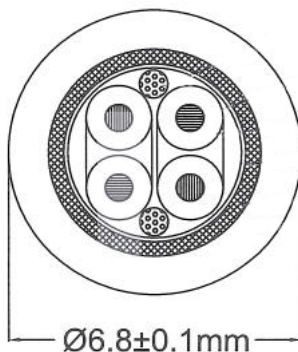
Construction Specifications

Type of cable	DMX - 512 Cable
Inner conductor	 17 / 0.16 mm OFC
Inner conductor section	0.342mm ²
Insulation Colour	Red/White/Yellow/Black
Number of Conductors	4
Overall Shield	Shield 1:  ALUMINUM FOIL Shield 2:  TINNED COPPER BRAIDING 16 / 8 / 0.1
Filling	Cotton
Separator	None
Outer Jacket	Highly Flexible PVC
Outer Jacket Colour	Dark Grey
Outer Jacket Dimensions	Ø 6.8 mm ± 0.1mm
American Wire Gauge	22 AWG

Available Lengths

Order Number	Details
PMX422/1	100 m, Dark grey, plastic reel
PMX422/3	300 m, Dark grey, plastic reel

Cross Section



Electrical Specifications

Capacitance Cond/Shield @1MHz	79pF / m
Capacitance Cond/Cond @1MHz	50pF / m
Inductance Cond/Cond @1MHz	
Characteristic Impedance	110Ω
Conductor Resistance	≤ 52Ω / km
Shield Resistance	≤ 52Ω / km

Mechanical Specifications

Temperature range	fixed installation	-40° C till +80° C
	flexible installation	-25° C till +70° C
Bending radius	fixed installation	6 x outer diameter
	flexible installation	8 x outer diameter

Typical Applications

Stage lighting
DMX512 protocol
Electronic billboards
Architectural lighting

Features & Benefits

Highly Flexible outer jacket
22 AWG Tinned copper conductors
Double shielding (Al-foil + Braiding)
Smooth & durable outer jacket
Ideal for installation, stage & mobile use

PRIME
SERIES



Prime series cables are designed with two main criteria in mind. One is the highest technical specifications that they live up to and the second is the mobile use they are designed for, offering extreme flexibility and durability.