## PMX422 HighFlex DMX - 512 Cable



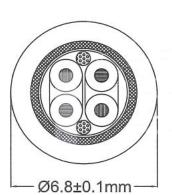
The PMX422 is a 110 Ohm DMX-AES cable which is especially developed for professional use in highly demanding applications. It's 22 AWG (0.34 mm²) tinned copper conductors surrounded by an Aluminum foil and high-coverage tinned copper braiding provide a double layered shielding. This ensures an optimal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

Construction Specifications		
Type of cable	DMX - 512 Cable	
Inner conductor	TINNED 17 / 0.16 mm OFC	
Inner conductor section	0.342mm <sup>2</sup>	
Insulation Colour	Red/White/Yellow/Black	
Number of Conductors	4	
Overall Shield	Shield 1: FOIL Shield 2: BRAIDING COPPER 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	Datails	
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 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 flexiblity and durability.