

Highlights:

- Double shielding (Al-foil + Braiding)
- FlamoFlex™ IEC 60332-1 installation jacket
- 110 Ohm digital signal cable

The CMX222 is an 110 Ohm DMX-AES Digital signal cable featuring a FlamoFlex™ outer jacket compliant to the IEC 60332-1 standard regarding fire and flammability resistance in public installations. The FlamoFlex™ material is specifically designed with installers convenience in mind, offering a smooth and durable outer jacket for easy installation and pulling. Its 22 AWG (0.34mm²) tinned copper conductor section is surrounded by a double shielding consisting of an aluminum foil and high coverage tinned copper braiding. This ensures an optimal signal transmission with high immunity to noise and interference caused by external devices.



Properties:



Inner Conductors:



Shielding:



Usage:



Physical Characteristics:

Inner conductor	Insulation	Colours	White / Red
		Material	FPE 2 mm (Ø)
Overall shielding	Aluminium foil		Al-mylar, 100% coverage - 25% Overlap
	Braiding		TC 16 x 8 x 0.10 mm (Ø) (OFC)
Outer jacket	Material		NHFR 5.5 mm (Ø)
	Colours		Black
Type of cable			110 Ω DMX-AES cable
Inner conductor	Material		TC 17 x 0.16 mm (Ø) (OFC)
	Section		0.342 mm ²
Filling			None
Separator			None
Inner conductor	American Wire Gauge		22 AWG
	Number of conductors		2
	Conductor twisting		Yes

Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Flammability test	According IEC 60332-1
Indoor / outdoor	UV resistant (UL1581, UVA, 720 h)
Circuit integrity	n/a
Smoke emissions	According IEC 61034
Zero halogen compounds	According EN 50267-2-1
	IEC 60754
Cabling standard	DMX & AES/EBU (IEC 60956 Type 1)

Electrical Characteristics:

Max. conductor	DC resistance	59.4 (Ω / Km)
Dielectric strength		1.5 (KV / 1 min. DC)
Rated voltage		300 V
Characteristic impedance		110 Ω ± 10 Ω

Mechanical Characteristics:

Temperature range	Fixed installation	- 20 °C till + 80 °C
	Flexible installation	- 15 °C till + 60 °C
Bending radius	Fixed installation	8 x outer diameter
	Flexible installation	10 x outer diameter

Variants:

- CMX222/1 - 100 m plastic reel
- CMX222/3 - 300 m plastic reel