

Highlights:

- Made in EU
- All-in-one solution
- Custom installation
- Easy and fast installation
- Combine multiple cables cores in one single cable

Product information:

The PAC251 is a hybrid power/audio cable which consists of 3 x 2,5mm² power section and a 2 x 0.22mm² 110 Ohm signal pair, this makes it ideal for rental applications. The signal pair can be used for analog audio, digital audio or DMX. The power and signal cable each have a separate jacket which makes it easy to split out the cables at the end.



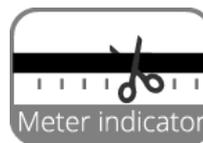
Components:

- CableType: HMX224 - 24 AWG Balanced signal / DMX-AES cable
- CableType: HPC3G2.5 - 3G2.5 3 x 2.5 mm² PVC power cable

Certification:



Properties:



Product Features:

Application	Rental & MI
Series	Bulk & Accessories

Physical Characteristics:

Components		1 x HMX224
		1 x HPC3G2.5
Outer jacket	Material	Highflex PVC 17.5 mm (Ø)
	Colours	Black
Type of cable		Power & 1 x DMX-AES 110 Ω cable
Filling		Non-woven (PET/PA) tape

Standards & regulations:

RoHS2 compliant	According EU Directive 2011/65/EU
Reach compliant	According EC 1907/2006
Flammability test	According EN 60332-1-2

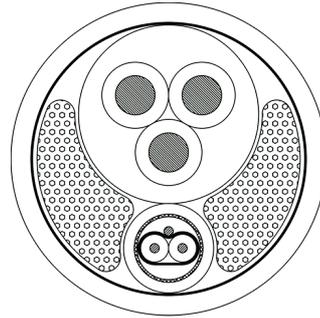
Mechanical Characteristics:

Temperature range	Fixed installation	- 15 °C till + 70 °C
	Mobile installation	- 5 °C till + 75 °C
Bending radius	Fixed installation	6 x outer diameter
	Mobile installation	8 x outer diameter

Variants:

- PAC251/1 - 100 meter
- PAC251/3 - 300 meter

Cross sections:



Component details:

HMX224

24 AWG Balanced signal / DMX-AES cable

This cable is only used as a production component for PROCAB pre-made cables and is not sold separately or in bulk. Consult the product sheet for detailed information about this component.



Physical Characteristics:

Inner conductor	Audio	Material	TC 7 x 0.2 mm (Ø) (OFC)	
		Section	0.00034 ⁴²	
		American Wire Gauge	24 AWG	
		Number of conductors	2	
		Insulation	Material	PE 1.5 mm (Ø)
			Colours	Red / Blue
		Shielding	Aluminium foil	Al-mylar, 100% coverage - 25% Overlap
			Drain wire	TC 7 x 0.2 mm (Ø) (OFC)
			Braiding	TC 7 x 16 x 0.1 mm (Ø) (OFC)
Filling				Non-woven (PET/PA) tape
Outer jacket	Material			PVC 5.0 mm (Ø)
	Colours			Black

Electrical Characteristics:

Max. conductor	DC resistance	85 (Ω / Km)
Max. shielding	DC resistance	25 (Ω / Km)
Audio		47 (pF/m)
Characteristic impedance		110 $\Omega \pm 10\% \Omega$
Nom. Velocity of propagation		75 %
Return loss (dB)		(From 1 to 25 mHz) > 20 dB
Dielectric strength		(Cond/Shield) 1.2 (KV / 1 min. DC)
		(Cond/Cond) 0.5 (KV / 1 min. DC)

HPC3G2.5

3G2.5 3 x 2.5 mm² PVC power cable

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Physical Characteristics:

Inner conductor	Power	Material	BC 48 x 0.25 mm (\emptyset) (OFC)	
		Section	0.0039 ⁴²	
		American Wire Gauge	16 AWG	
		Number of conductors	3	
		Insulation	Material	PVC 3.7 mm (\emptyset)
			Colours	Blue / Brown / Yellow & Green
Outer jacket	Material			PVC 10 mm (\emptyset)
	Colours			Black

Electrical Characteristics:

Max. conductor	DC resistance	7.98 (Ω / Km)
Resistance	Insulation	> 200 M Ω / km
Rated voltage		U ₀ /U 300/500 V
Dielectric strength		2.5 (KV / 1 min. DC)