PAC151

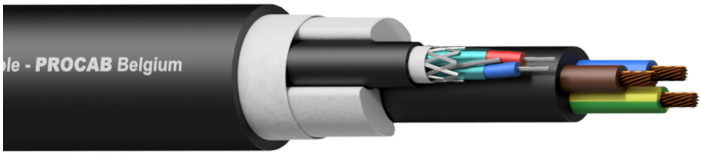
Balanced signal / DMX-AES & 3G1.5 Power cable

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 PAC151 is a hybrid power/audio cable which can be used in a variety of applications. The cable consists of 3 x 1,5mm² power section and a 2 x 0.22mm² 110 Ohm signal pair. 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: HPC3G1.5 - 3G1.5 3 x 1.5 mm² PVC power cable

Certification:

MADE IN EUROPE

Properties:

Meter indicator

IEC 60332

Product Features:

Application	Rental & MI
Series	Bulk & Accessories

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

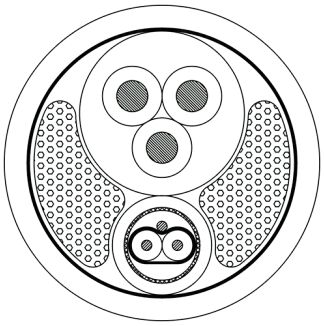
Physical Characteristics:

Components		1 x HMX224
		1 x HPC3G1.5
Outer jacket	Material	Highflex PVC 15.9 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

Cross sections:



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:

- PAC151/1 - 100 meter
- PAC151/3 - 300 meter

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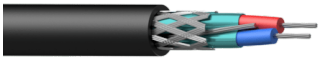
Component details:

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		0.22 mm²
		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

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Electrical Characteristics:

Max. conductor	DC resistance	85 (Ω / Km)
Max. shielding DC resistance		25 (Ω / Km)
Audio		47 (pF/m)
Characteristic impedance		110 Ω ± 10% Ω
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)

HPC3G1.5

3G1.5 3 x 1.5 mm² PVC power cable

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Physical Characteristics:

Inner conductor	Power	Material		BC 28 x 0.25 mm (Ø) (OFC)
		Section		1.5 mm²
		American Wire Gauge		16 AWG
		Number of conductors		3
		Insulation	Material	PVC 3 mm (Ø)
			Colours	Blue / Brown / Yellow & Green
Outer jacket	Colours			Black
	Material			PVC 8.3 mm (Ø)

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Electrical Characteristics:

Max. conductor	DC resistance	13.3 (Ω / Km)
Resistance	Insulation	> 200 M Ω / km
Rated voltage		Uo/U 300/500 V
Dielectric strength		2.5 (KV / 1 min. DC)

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