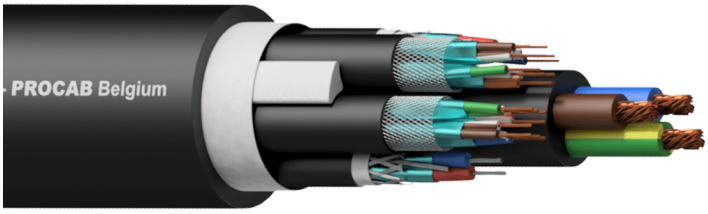
PHC2522

2 x Balanced signal / DMX-AES, 2 x CAT7 S/FTP & 3G2.5 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 PHC2522 is a hybrid power / signal / network cable which consists of 3 x 2,5mm² power section, 2 x signal and 2 x CAT 7 LAN cable. This is the most flexible cable in terms of connectivity as the 2 signal and the 2 LAN cables can be used for the most different cases, while the 3 x 2.5mm² cables provides power to all equipment. All sections have a separate jacket which makes it easy to split out the cables at the end.

Components:

- CableType: HCT70S - CAT7 S/FTP networking cable
- CableType: HMX224 - 24 AWG Balanced signal / DMX-AES cable
- CableType: HPC3G2.5 - 3G2.5 3 x 2.5 mm² PVC power cable

Certification:

MADE IN EUROPE

Properties:

Meter indicator

IEC 60332

Product Features:

Application	Rental & MI
Series	Bulk & Accessories

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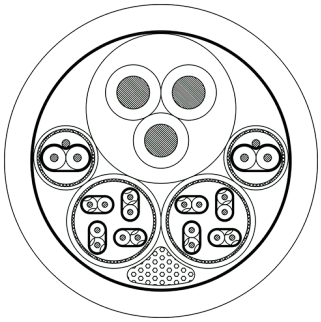
Physical Characteristics:

Components		2 x HCT70S
		2 x HMX224
		1 x HPC3G2.5
Outer jacket	Material	Highflex PVC 20.9 mm (Ø)
	Colours	Black
Type of cable		2 x Balanced signal / DMX-AES 110 Ω & 2 x CAT7 S/FTP Networking & 3G2.5 Power 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	8 x outer diameter
	Mobile installation	10 x outer diameter

Variants:

- PHC2522/1 - 100 meter
- PHC2522/3 - 300 meter

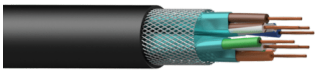
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Component details:

HCT70S

CAT7 S/FTP networking 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	Data	Material		BC 7 x 0.155 mm (Ø) (OFC)
		Section		0.13 mm²
		American Wire Gauge		26 AWG
		Number of conductors		8 (4 pairs)
		Insulation	Material	FPE 1.05 mm (Ø)
			Colours	Green / White & Green ; Blue / White & Blue ; Orange / White & Orange ; Brown / White & Brown
		Shielding	Aluminium foil	Al-mylar, 100% coverage - 25% Overlap
Overall shielding	Braiding			TC (OFC) – 65% coverage
Outer jacket	Material			PVC 6.3 mm (Ø)
	Colours			Black

Electrical Characteristics:

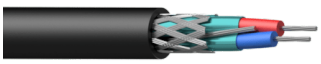
Max. conductor	DC resistance	148 (Ω / Km)
Capacitance	Cond/Cond	47 (pF/m)
Characteristic impedance		100 Ω ± 15% Ω
Nom. Velocity of propagation		74 %
Return loss (dB)		(From 1 to 25 MHz) > 20 dB
Dielectric strength		(Cond/Cond) 0.7 (KV / 1 min. DC)

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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)

HPC3G2.5

3G2.5 3 x 2.5 mm² PVC power 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	Power	Material		BC 48 x 0.25 mm (Ø) (OFC)
		Section		2.5 mm²
		American Wire Gauge		16 AWG
		Number of conductors		3
		Insulation	Material	PVC 3.7 mm (Ø)
			Colours	Blue / Brown / Yellow & Green
Outer jacket	Material			PVC 10 mm (Ø)
	Colours			Black

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Electrical Characteristics:

Max. conductor	DC resistance	7.98 (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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