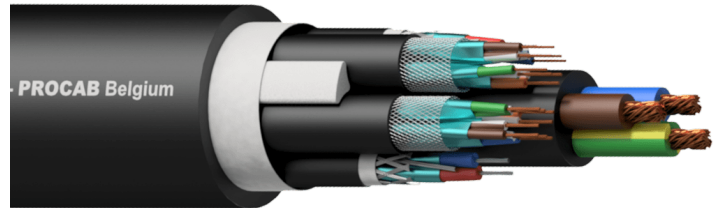


## Highlights:

- 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 2,5mm<sup>2</sup> 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 2.5mm<sup>2</sup> cables provides power to all equipment. All sections have a separate jacket which makes it easy to split out the cables at the end.



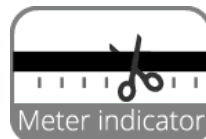
## Components:

- 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 mm<sup>2</sup> PVC power cable

## Certification:



## Properties:



## Product Features:

Application	Rental & MI
Series	Bulk & Accessories

## Physical Characteristics:

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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:

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

## Mechanical Characteristics:

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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

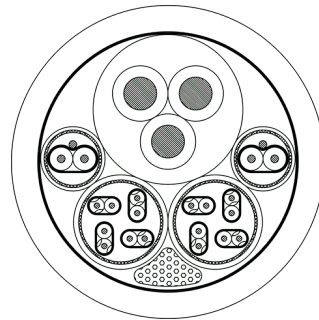
## Variants:

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

## Cross sections:

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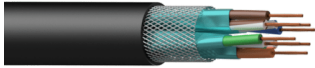


## Component details:

# 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	0.00020 "2
		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

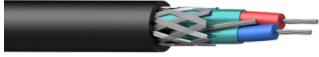
### Electrical Characteristics:

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)

# 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 <sup>mm²</sup>
		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 ( $\Omega$ / Km)
Max. shielding	DC resistance	25 ( $\Omega$ / 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 mm<sup>2</sup> 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 ( $\emptyset$ ) (OFC)
		Section	0.0039 <sup>42</sup>
		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:

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