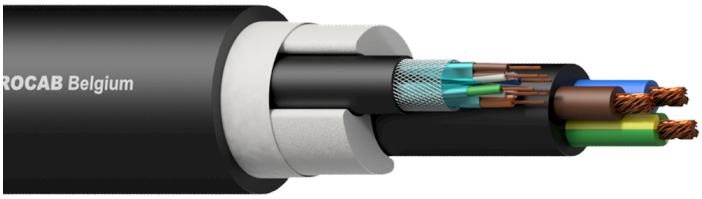
PNC2517

CAT7 S/FTP & 3G2.5 Power cable

The PNC2517 is a hybrid power/network cable which consists of 3 x 2,5mm² power section and a CAT 7 LAN cable. As more and more audio/video/light equipment is network-based this cable is perfectly suited to provide the necessary power and data to these devices. The power and LAN cable each 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: HPC3G2.5 - 3G2.5 3 x 2.5 mm² PVC power cable



Certification:

MADE IN EUROPE

Properties:

Meter indicator

IEC 60332

Usage:

Rental

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 HCT70S
		1 x HPC3G2.5
Outer jacket	Material	Highflex PVC 20.3 mm (Ø)
	Colours	Black
Type of cable		CAT7 S/FTP Networking & 3G2.5 Power cable
Filling		Non-woven (PET/PA) tape

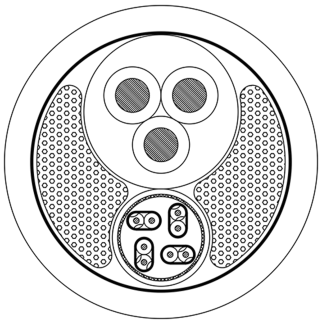
Standards & regulations:

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

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

Cross sections:



Variants:

- PNC2517/1 - 100 meter
- PNC2517/3 - 300 meter

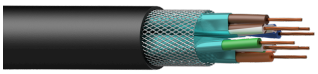
We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

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)

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

Additional specifications:

Frequency	Attenuation std - MAX - STD [dB/100m]	Attenuation typical - Typical [dB/100m]	Next std - MIN - STD [dB]	Next typical - typical [dBM]	El- Fext std - MIN - STD [dB/100m]	El- Fext typical - Typical [dB/100m]	Acr min - MIN [dB/100m]	Acr typical - typical [dB/100m]	Return Loss std - MIN - STD [dB]	Return Loss typical - typical [dB]
1	(3.0)	3.4	(75.0)	> 95	(75.0)	93	72.0	> 90	(20,0)	27
4	5.6	5.9	75	> 95	75.0	93	69.4	> 89	23.0	28
10	8.8	8.9	75.0	95	71.0	92	66.2	86.6	25.0	30
16	11.1	11.1	75.0	95	66.9	85	63.9	84.6	25.0	30
20	12.4	12.1	75.0	92	65.0	79	62.6	80.6	25.0	30
31.25	15.6	15.1	75.0	92	61.1	71	59.4	77.8	23.3	28
62.5	22.3	21.5	72.5	90	55.1	58	50.1	69.5	20.7	27
100	28.5	27.6	69.4	90	51.0	55	40.9	63.8	19.0	25
155.52	36.0	34.5	66.5	88	47.2	51	30.5	54.8	17.3	25
200	41.2	38.8	64.9	85	45.0	49	23.7	47.0	16.4	24
250	46.5	44.3	63.4	84	43.0	47	17.0	41.5	15.6	23
350	55.8	52.4	61.2	82	40.1	44	5.5	30.7	15.6	22
500	67.9	63.1	58.9	75	37.0	41	-	12.8	15.6	21
600	75.1	69.4	57.7	73	35.4	38	-	5.2	15.6	20
750	-	77.7	-	70	-	33	-	-7.2	15.6	19

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.

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

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

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)

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