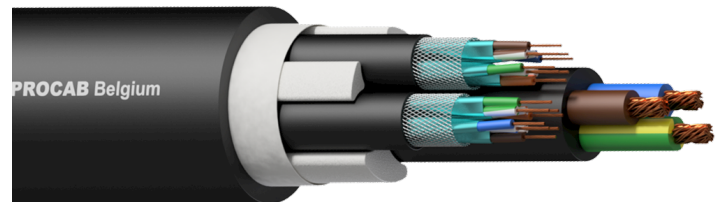


The PNC2527 is a hybrid power/network cable which consists of 3x 2,5mm² power section and 2 x CAT 7 LAN cable. As more and more equipment is network-based this cable is perfectly suited to provide the necessary power and redundant data to these devices. The power and 2x LAN cable each have a separate 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:



Properties:



Usage:



Physical Characteristics:

Components		2 x HCT70S
		1 x HPC3G2.5
Outer jacket	Material	Highflex PVC 20.9 mm (Ø)
	Colours	Black
Type of cable		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

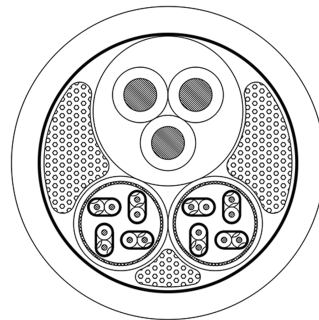
Mechanical Characteristics:

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:

- PNC2527/1 - 100 meter
- PNC2527/3 - 300 meter

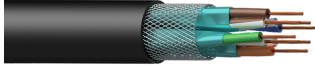
Cross sections:



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 mm 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)

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.



Physical Characteristics:

Inner conductor	Power	Material	BC 48 x 0.25 mm (Ø) (OFC)	
		Section	2.5 mm ²	
		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		U ₀ /U 300/500 V
Dielectric strength		2.5 (KV / 1 min. DC)