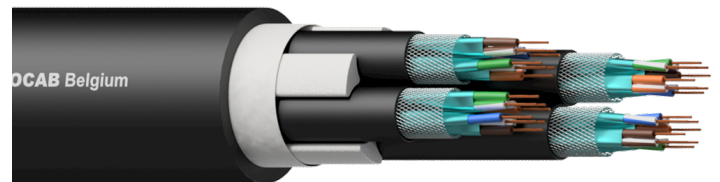


The PNC047 is a multi-network cable which consists of 4 x CAT 7 LAN cable. In applications where multiple devices need to be connected over LAN cable or where redundant links need to be set up this cable is the ideal solution. The 4 x LAN cable each have a separate jacket which makes it easy to split out the cables at the end.

Components:

- CableType: HCT70S - CAT7 S/FTP networking cable



Certification:



Properties:



Usage:



Physical Characteristics:

Components	4 x HCT70S	
Outer jacket	Material	Highflex PVC 19.5 mm (Ø)
	Colours	Black
Type of cable	CAT7 S/FTP Networking 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

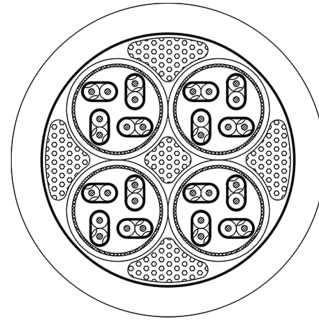
Mechanical Characteristics:

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:

- PNC047/1 - 100 meter
- PNC047/3 - 300 meter

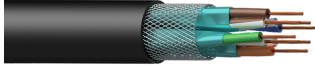
Cross sections:



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