



PVC CAT 7 3G 2.5 new

If a common connector is used for the power supply and the required signal, there is no need for separate sheathing of the three power cables. In addition, without the sheathing of the power cables, processing in hybrid cable reel systems is made extremely easy. This hybrid cable has a robust, highly flexible soft PVC outer sheath and can be used in a wide range of applications to connect modern, computer-controlled devices and systems. The flexible CAT7 cables connect components of digital audio networks such as Dante™, CobraNet®, and EtherSound® or transmit DMX control signals based on the ArtNet®, MA-Net, or Pathport protocol. The cable also serves as a solution in the IT sector when a network connection plus power line is required. Thanks to the double shielding (aluminum foil + dense copper braid) of the CAT7 cables, interference-free transmission of high data rates up to 10 Gbit is possible over long distances, even in electromagnetically influenced environments.

hybrid

twisting	CAT7 patch cable + 1 power cable + tracers
taping	fleece
outer jacket	PVC
min. bending radius	10x overall diameter
temperature range	
mobile use	-30°C / +70°C
installed	-30°C / +70°C
CE conformity	acc. to EU directivo LVD 2014/35/EU
no hazardous substances	acc. to EU directivo RoHS 2011/65/EU from 08.06.2011
flame retardancy	flame retardant acc. to IEC 60332-1-2

data cable

type	CAT7 patch S/FTP
conductor	stranded tinned copper, AWG 26/7
insulation	foam-skin PE
core arrangement	4 pairs twisted
shielding	AL/PET foil + tinned copper braid
outer jacket	PVC
conductor resistance	149 Ω/km
capacitance	45 pF/m
characteristic impedance	100 Ω ± 15%
nom. attenuation [dB/100m]	
10 MHz	9.0
100 MHz	29.5
600 MHz	77.0

hybrid cable

CAT7 patch + power 2.5 mm²

- CAT7 patch cable, double shielded (S/FTP)
- power cable 3x 2.5 mm² with bare stranded copper wire according to IEC 60228
- CAT7 cable with tinned copper wire (AWG 26/7)
- suitable for 10Gbit applications
- ultra flexible soft PVC jacket

power cable

conductor	stranded bare copper, fine-wired acc. to IEC 60228, class 5
cond. cross section	3 x 2.5 mm ²
insulation	PVC
no. of cores	3
conductor resistance	13 Ω/km
insulation resistance	> 0,01 MΩ x km
max. operating voltage	300 V
test voltage	2000 V

maximum transmission range (device-to-device)

100Base-T (100 Mbit Ethernet)	60 m
1000Base-T (Gbit Ethernet)	60 m
10GBase-T (10 Gbit Ethernet)	60 m

order code	included cable types	cond. cross section mm ²	outer Ø mm	cable color	weight kg/m
HC71PC25	CAT7 + power	2.5	15.1	black	0,05

technical specifications are subject to change