



hybrid cable - 4 x CAT5e + 8 x digital audio + power 2.5 mm²

- 4 data cables CAT5e - solid, AWG 24/1, foil shielded
- 8 digital audio cables - 110 Ohm, AWG 26/7, foil shielded
- 1 power supply 3x 2.5 mm²

PVC

This cable forms the basis of the KLOTZ Universal Multicore System and was designed after requests by rental companies seeking options for complete sound and lighting system cabling that would avoid interference from different earth potentials. The cable includes four CAT5 data lines enabling devices to be connected in digital audio networks using Dante™, CobraNet® or EtherSound® and which can also transmit lighting control signals via ArtNet® or MA Net. The eight digital audio channels can be used for DMX lighting control, equipment control signals based on RS485 protocol or CAN bus, or for analogue or digital audio (sound, monitoring and intercom). A power line with 3 x 2.5 mm² cross-section provides power for equipment such as an FOH (Front of House) mixing desk and can also cope with long distances.

hybrid

twisting	4x data CAT5e + 8x audio + 1x power
taping	fleece
outer jacket	PVC, Ø 25.1 mm
working temperature	-20°C / +70°C
min. bending radius	10x outer diameter

data cable

type	CAT5e, AWG 24/1, F/UTP
conductor	solid bare copper wire, Ø 0.51 mm (AWG 24)
core insulation	Foam-Skin PE
core stranding	2 cores twisted to a pair
cable stranding	4 pairs twisted
overall shield	AL/PET foil + drain wire
outer jacket	PVC, Ø 5.7 mm, grey, numbered
conductor resistance	< 90 Ω/km
operating capacity	50 pF/m
characteristic impedance	100 Ohm ± 15 %
signal speed	0.68 c
attenuation [dB/100m]	
1 MHz	2
10 MHz	6.1
20 MHz	8.7
100 MHz	20.6

audio cable

cond. construction	stranded tinned copper, 7 x 0.16 mm (AWG 26/7)
cond. cross section	0.14 mm ²
insulation	Foam-Skin PE
core arrangement	2 cores twisted to a pair
shielding	tinned stranded drain wire + AL/PETP foil
outer jacket	PVC, Ø 3.0 mm, black numbered
conductor resistance	< 135 Ω/km
capacitance	46 pF/m
characteristic impedance	110 Ω
attenuation [dB/100m]	
1 MHz	3.4
10 MHz	7.3
20 MHz	9.0
insulation resistance	> 1 GΩ x km
test voltage	
cond. / cond.	1200 V
cond. / shield	500 V

power cable

conductor	stranded bare copper, fine-wired acc. to IEC 60228, class 5
insulation	PVC
no. of cores	3, blue, brown and green-yellow
jacket	PVC, Ø 10.0 mm, black
conductor resistance	7,5 Ω/km
insulation resistance	> 0,01 MΩ x km
rated voltage	300/500 V
test voltage	2 kV

order code	cond. cross section mm ²	outer Ø mm	colour	weight kg
HC54A8P2	2.5	25.1	black	0,645

technical specifications are subject to change