



hybrid cable

4 x CAT5e + 8 x digital audio + power 2.5 mm²

- 4 x CAT5e data cable - solid AWG 24/1
- 8 x digital audio cables - 110 Ohm, AWG 26/7
- CAT and audio with foil shield
- power cable 3 x 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 fleece
taping
outer jacket PVC, Ø 25.5 mm
working temperature -20°C / +70°C
min. bending radius 10x overall 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, grey, numbered, Ø 5.7 mm
conductor resistance < 90 Ω/km
mutual capacitance 50 pF/m
characteristic impedance 100 Ω ± 15%
signal speed 0.68 c
attenuation [dB/100m]
 1 MHz 2.0
 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 mm²
insulation Foam-Skin PE
core arrangement 2 cores twisted to a pair
shielding tinned stranded drain wire + AL/PETP foil
outer jacket PVC, black, numbered, Ø 3.0 mm
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, black, Ø 10.0 mm
conductor resistance 7.5 Ω/km
insulation resistance > 0,01 MΩ x km
rated voltage 300/500 V
test voltage 2 kV

order code	included cable types	cond. cross section mm ²	outer Ø mm	cable color	weight kg/m
HC54A8P2	4x CAT5e + 8x audio + power	2.5	25.1	black	0.66

technical specifications are subject to change