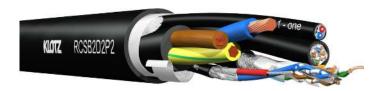
CAT5e + 110 Ω + power



hybrid cable

2 x RamCAT5 + 2 x digital audio + power 2.5 mm²

- 2 x RamCAT5 RC5-SB1X solid AWG 24/1
- 2 x digital audio cables 110 0hm, AWG 24/7
- CAT and audio with foil and braid shield
- power cable 3 x 2.5 mm²

PVC

Designed at the special request of KLOTZ customers, this hybrid cable combines two network connections with the specifications of the Klotz RC5SB cable (from the RamCAT range) with two digital audio cables and a power supply cable. This universal multicore is at home in all audio network and DMX/lighting control applications. The two RC5SB cables have solid conductors with diameter of 0.52 mm and low signal attenuation, enabling them to be used for network connections of up to 100 m. Their structure features a stabilizing cross-shaped PE element for the four stranded cables. The data cables have foil screening and high-coverage copper braiding. The two audio cables offer characteristic impedance of 110 ohm, ensuring that the cable is suitable for transmission of analogue/digital audio signals and control signals for DMX systems. A three-strand power cable with a conductor cross-section of 3 x 2.5 mm² completes the extensive range of features offered by this hybrid cable.

hybrid

twisting 2x data CAT5e + 2x audio + power + tracers taping fleece outer jacket PVC, Ø 20.6 mm working temperature min. bending radius 10x overall diameter

data cable

type RAMCAT RC5SB, Cat5e, SF/UTP conductor solid bare copper wire, Ø 0.52 mm

core insulation Foam-Skin PE

cable stranding 4 pairs twisted within a central PE cross

overall shield AL/PET foil + tinned copper braid (80% coverage)

outer jacket PVC, black, numbered, Ø 6,8 mm

 conductor resistance
 85 Ω/km

 mutual capacitance
 50 pF/m

 characteristic impedance
 100 $\Omega \pm 15\%$

 signal speed
 0.73 c

attenuation [dB/100m]

1 MHz 2.1 10 MHz 6.5 20 MHz 9.3 100 MHz 21.7

audio cable

cond. construction stranded tinned copper, 7 x 0.20 mm (AWG 24/7) cond. cross section 0.22 mm 2

insulation Foam-Skin PE core arrangement 2 cores twisted to a pair

shielding AL/PETP foil + tinned stranded drain wire + tinned

copper braid, 85% coverage outer jacket PVC, black, numbered, Ø 4.5 mm

conductor resistance 85 Ω /km capacitance 47 pF/m characteristic impedance 110 Ω

attenuation [dB/100m]

1 MHz 2.3

10 MHz 3.9

20 MHz 6.9

power cable 3 x 2.5 mm²

insulation

conductor stranded bare copper, fine-wired acc. to IEC 60228,

class 5 PVC

no. of cores 3, blue, brown, yellow-green jacket PVC, black, Ø 10.0 mm

conductor resistance $8 \Omega / km$ insulation resistance $> 200 M\Omega x km$ rated voltage 300 Vtest voltage 2 kV

| order code | included cable types | cond. cross section mm² | outer Ø mm | cable color | weight kg/m |
|------------|-------------------------------------|-------------------------|---------------|-------------|----------------|
| RCSB2D2P2 | 2x CAT5e + 2x digital audio + power | 2.5 | 21.0 | black | 0.51 |

KLOTZ AIS GmbH