



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 Ohm, 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	-20°C / +70°C
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 Ω ± 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

conductor	stranded bare copper, fine-wired acc. to IEC 60228, class 5
insulation	PVC
no. of cores	3, blue, brown, yellow-green
jacket	PVC, black, Ø 10.0 mm
conductor resistance	8 Ω/km
insulation resistance	> 200 MΩ x km
rated voltage	300 V
test voltage	2 kV

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

technical specifications are subject to change