RL

[dB]

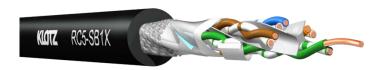
20 / 30 / 50 / 100 / 300 / 500

typical

CAT5

MIN

100 Ω







RamCAT - solid AWG 24/1 - SF/UTP - PUR

- heavy duty CAT5e data cable, 4 x 2 x 0.52 mm (AWG 24/1) solid conductor
- stabilizing PE cross
- SF/UTP (overall foil + braid shield)
- robust PUR overall jacket
- \bullet EtherSound $^{\text{TM}}$ tested by Digigram up to 120 m $\,$
- MADI tested by Soundcraft/ Studer up to 120 m
- GLD and iLive ACE/dSnake tested by Allen&Heath up to 120 m
- Dante[™] tested by YAMAHA UK up to 120 m

Double shielded data cable RamCAT with solid conductors, PE-X element and PUR outer jacket. Thanks to AWG24 solid conductors it allows EtherSound™ up to 120 metres. The suitability for mobile use is reached by the special construction with a cross-shaped twisting element and durable PUR outer jacket. The conductor isolation of foam-Skin PE allows the assembly with the etherCON connectors.

design

conductor solid bare copper wire, Ø 0.52 mm (AWG 24/1)

core insulation Foam-Skin PE

2 cores twisted to a pair core stranding

4 pairs twisted within a central PE cross cable stranding

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

attenuation

[dB/100m]

SF/UTP

CAT5

MAX

outer jacket overall diameter

electric

frequency [MHz]

RC5-SB1X

< 85 Ω/km conductor resistance mutual capacitance 48 pF/m characteristic impedance $100 \Omega \pm 15\%$ signal speed 0.76 c

propagation delay 4.9 ns/100m @ 100 MHz

typical

0.25 nsec/m delay skew

properties min. bending radius

installation 8x overall diameter operation 15x overall diameter 100 N tensile strength

working temperature -40°C / +80°C acc. to IEC 60754-1 halogen-free

ACR

[dB/100m]

typical

black

CAT5

MIN

0.06

order code	type		outer jacket	ter jacket cable color		weight kg/m	stan	standard lengths m	
200	29.3	-	46	-	16.7	-	19	-	
155	24.8	-	49	-	24.2	-	21	-	
100	20.6	21.3	52	35	31.4	13.7	24	20.1	
62.5	15.9	16.5	55	48	39.1	31.5	26	21.5	
31.25	10.9	11.4	58	43	47.1	31.6	28	23.6	
20	8.7	9.0	63	46	54.3	37.0	30	25.0	
16	7.8	8.0	68	47	60.2	39.0	30	25.0	
10	6.1	6.3	70	50	63.9	43.7	30	25.0	
4	3.9	4.0	74	56	70.1	52.0	28	23.0	
1	2.0	2.1	80	60	83.0	62.9	26	-	

CAT5

MIN

Next

[dB]

typical

PUR

technical specifications are subject to change

