



PVC



This system cable with 2x CAT5 was developed for mobile audio networks. As a 2-fold network cable element the especially robust, double shielded and windable RC5SB is used. Thanks to solid AWG24 conductors it allows EtherSound™ up to 120 metres. The suitability for the mobile use is reached by the special construction with a cross-shaped twisting element.

**hybrid**

twisting  
taping  
outer jacket  
overall diameter  
min. bending radius  
working temperature

2x data  
fleece  
PVC  
16.4 mm  
10x outer diameter  
-20°C / +70°C

**data cable**

conductor  
core insulation  
core stranding  
cable stranding  
overall shield  
outer jacket  
outer diameter  
conductor resistance  
mutual capacitance  
characteristic impedance  
signal speed  
propagation delay  
delay skew

solid bare copper wire, Ø 0.52 mm (AWG 24/1)  
Foam-Skin PE  
2 cores twisted to a pair  
4 pairs twisted within a central PE cross  
AL/PET foil + tinned copper braid (80% coverage)  
PVC  
6.6 mm  
< 85 Ω/km  
48 pF/m  
100 Ω ± 15%  
0.76 c  
4.9 nsec/m  
0.25 nsec/m

frequency [MHz]	attenuation [dB/100m]		NEXT [dB]		ACR [dB/100m]		RL [dB]	
	typical	CAT5e MAX	typical	CAT5e MIN	typical	CAT5e MIN	typical	CAT5e MIN
1	2.0	2.1	85	65	83.0	62.9	26	-
4	3.9	4.0	74	56	70.1	52.0	28	23.0
10	6.1	6.3	70	50	63.9	43.7	30	25.0
16	7.8	8.0	68	47	60.2	39.0	30	25.0
20	8.7	9.0	63	46	54.3	37.0	30	25.0
31.25	10.9	11.4	58	43	47.1	31.6	28	23.6
62.5	15.9	16.5	55	48	39.1	31.5	26	21.5
100	20.6	21.3	52	35	31.4	13.7	24	20.1
155	24.8	-	49	-	24.2	-	21	-
200	29.3	-	46	-	16.7	-	19	-

order code	type	outer jacket	color	weight kg/m	standard lengths m
RC5-SB2	SF/UTP	PVC	black	0.3	50 / 100 / 300

technical specifications are subject to change