



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
operating capacity
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 ± 0.15 Ω
0.76 c
4.9 nsec/m
0.25 nsec/m

Frequency [MHz]	attenuation [dB/100m]		Next [dB]		ACR [dB/100m]		RL [db]	
	Typ.	MAX CAT5e	Typ.	MIN CAT5e	Typ.	MIN CAT5e	Typ.	MIN CAT5e
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	outer jacket	colour	weight kg/m	standard lengths m
RC5-SB2	PVC	black	0,3	50 / 100 / 300

technical specifications are subject to change