

**RamCAT-solid - unshielded, AWG 24/1**

- CAT5e data cable, 4x 2x 0.52 mm (AWG 24/1) - solid conductors
- flexible, stabilizing intermediate jacket from TPE
- unshielded (U/UTP)
- extra-rugged PUR jacket
- A-Net™ - tested by AVIOM up to 150 m
- EtherSound™ tested by Digigram up to 115 m

PUR

Robust and mobile data transmission cable with solid conductors, stabilizing TPE inner jacket and PUR outer sheath. This robust data cable (windable on drums, tension-proof, crush resistant) is particularly suitable for mobile use over long distances. Applications: 10Base-T, 100Base-T, 1000Base-T, ISDN, ATM, DMX lighting control, machine cabling and specially for A-Net™ by Aviom with typical transmission length of up to 150 m.

construction

cond. construction	solid bare copper wire, \varnothing 0.52 mm (AWG 24/1)
cond. cross section	0.21 mm ² (AWG 24)
core insulation	Foam-Skin PE
core stranding	2 cores twisted to a pair
cable stranding	4 pairs twisted within a central PE cross
inner jacket	TPE
outer jacket	PUR
overall diameter	6.2 mm

properties

min. bending radius	10x outer diameter
working temperature	-40°C / +85°C
halogen-free	acc. to IEC 60754-1

electric

conductor resistance	< 90 Ω /km
operating capacity	53 pF/m
characteristic impedance	100 \pm 0.15 Ω

Frequency [MHz]	attenuation [dB/100m]	Next [dB]
1	2.0	85
4	4.0	72
10	6.4	66
16	8.1	62
20	9.2	59
31.25	11.7	55
62.5	17.0	53
100	21.9	51

order code	outer jacket	colour	weight kg	standard lengths m
RC5-SU1	PUR	black	0,045	100 / 300 / 500

technical specifications are subject to change