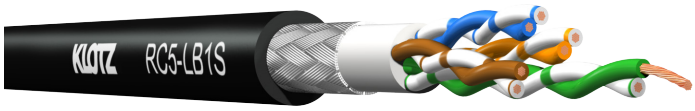
bulk cables	CAT network	mobile 100 Ω	RC5-LB1



CAT 5E PUR

RamCAT-Flex
AWG 26/19 - S/UTP - PUR

- S/UTP (braid + unshielded twisted pairs)
- flexible, stabilizing intermediate jackets from TPE
- 4x 2x 0.15 mm² (AWG 26/19) - 100 Ohm
- low-temperature-flexible down to -40 °C
- robust PUR overall jacket
- EtherSound™ tested by Digigram up to 75 m
- GLD and iLive ACE/dSnake tested by Allen&Heath up to 120 m
- Dante™ tested by YAMAHA UK up to 75 m

Ultra-rugged, non-crush CAT5-flex data and network cable for mobile applications and drum storage. Suitable for A-Net, AVB (Audio/Video Bridging over Ethernet), CobraNet, Dante™ (AVB), EtherSound™ (Trademark of Digigram), RAVENNA (AVB) etc. In contrast to common „CAT5-flex“ cables this special cable offers flexibility and sturdiness, which is otherwise only usual with stage cables like microphone lines but not in data systems technology. The transmission interference of standard data cables, along with too small bending radii or mechanical strain is avoided with Klotz RC5 by expensive construction and exceptional material. Different to so called flexible data patch cables, which are designated for indoor use, this RAMCAT cable combines values, that distinguish it for use on stage or at outdoor events.

design

conductor	stranded bare copper, 19x 0.10 mm
core insulation	foam-skin PE
core stranding	2 cores twisted to a pair
cable stranding	4 pairs twisted
inner jacket	TPE
overall shield	tinned copper braid, >80% coverage
outer diameter	6.3 mm

electric

conductor resistance	< 130 Ω/km
mutual capacitance	50 pF/m
characteristic impedance	100 Ω ± 15%

mechanical & thermal characteristics

emperature range	
operation	-40°C / +80°C
installation	-30°C / +70°C
min. bending radius	
installed	8x overall diameter
operation	15x overall diameter
no hazardous substances	acc. to EU directivo RoHS 2011/65/EU from 08.06.2011
CE conformity	acc. to EU directivo LVD 2006/95/EG
ozone resistance	acc. to EN 50396
microbiological resistant	acc. to VDE 0282-10
halogen-free	acc. to EN 50267-2-1 and IEC 60754-1
flame retardancy	acc. to IEC 60332-1-2

frequency [MHz]	attenuation [dB/100m]	Next [dB]
1	1.8	73
4	4.7	65
10	8.7	52
16	11.3	50
20	12.9	51
31.25	16.5	45
62.5	24.4	43
100	31.8	42

order code	type	outer jacket	cable color	weight kg/m	standard lengths m
RC5-LB1V	S/UTP	PUR	claret violet	0.05	50 / 100 / 300 / 500
RC5-LB1S	S/UTP	PUR	black	0.05	100 / 300 / 500

technical specifications are subject to change

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KLOTZ interfaces