

CAT  
5E

PUR

Suitable for A-Net, AVB (Audio/Video Bridging over Ethernet), CobraNet, Dante™ (AVB), EtherSound™ (Trademark of Digigram), RAVENNA (AVB) etc.

### design

conductor	stranded bare copper, 19x 0.10 mm
core insulation	foam-skin PE
core stranding	2 cores twisted to a pair
twisting	5 data cables twisted around a central filler
cable stranding	4 pairs twisted
inner jacket	TPE
shielding	tinned copper braid, >80% coverage
element jacket	PUR, claret violet
overall diameter	19.6 mm

### electric

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

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

- protection of patented design
- 5-fold ultra-rugged data multicore
- 5x (4x 2x 0.15 mm<sup>2</sup>) [AWG 26/19] - stranded conductors
- flexible, stabilizing intermediate jackets from TPE
- S/UTP (braid + unshielded twisted pairs)
- outer jacket from robust PUR
- EtherSound™ tested by Digigram up to 75 m

### mechanical & thermal characteristics

temperature range	
operation	-30°C / +70°C
installation	-40°C / +80°C
min. bending radius	
installation	4x overall diameter
operation	8x overall diameter
no hazardous substances	acc. to EU directive RoHS 2011/65/EU from 08.06.2011
CE conformity	acc. to EU directive LVD 2006/95/EG
halogen-free	acc. to EN 50267-2-1 and IEC 60754-1
non corrosive	acc. to EN 50267-2-2 and IEC 60754-2
flame retardancy	acc. to IEC 60332-1-2

frequency [MHz]	attenuation [dB/100m]	Next [dB]
1	1.9	73
4	4.9	65
10	8.8	52
16	11.4	50
20	13.0	51
31.25	16.7	45
62.5	24.6	43
100	32.1	42

order code	type	outer jacket	cable color	weight kg/m	standard lengths m
RC5-LB5V	S/UTP	PUR	claret violet	0,37	30 / 50 / 100 / 200

technical specifications are subject to change