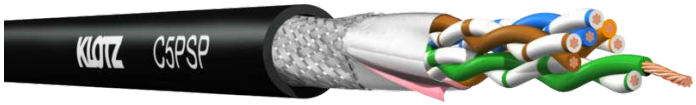

CAT 5E PUR PVC

CAT5e patch cable
AWG 26/7 - SF/UTP - PUR / PVC

- SF/UTP (overall foil + braid shield)
- 4 x 2 x AWG 26/7 - 200 MHz
- category 5e acc. to IEC 61156-6
- version in PVC or PUR
- analog and digital audio signals
- digital media over IP

Flexible data cable for transmission of analog and digital signals in the frequency range up to 200 MHz. It is suitable for work area wiring, device connecting and patching. For the use in class D like 10Base-T, 100Base-T, 1000Base-T, Token Ring, FDDI, ISDN, ATM, audio networks like EtherSound™ and DMX lighting controls. It fulfills the requirements to Category 5e patch cables acc. to ISO/IEC 11801, EN 50173-1, IEC 61156-6 und EN 50288-2-2. The version with PUR jacket is extremely resistant to abrasion, oils, microbes, chemicals and flexible down to -40°C.

design

conductor	stranded bare copper, AWG 26/7
core insulation	PE, Ø 0.96 mm
core stranding	2 cores twisted to a pair
twisting	4 pairs twisted
overall shield	AL/PET foil + tinned copper braid
outer jacket	PVC ou PUR, black
overall diameter	5.8 mm

electric

conductor resistance	< 145 Ω/km
mutual capacitance	45 pF/m
characteristic impedance	100 Ω ± 15%
signal speed	0.67 c
propagation delay	< 510 ns/100m
delay skew	< 25 ns/100m

mechanics

min. bending radius	
installation	8x overall diameter
operation	4x overall diametre

maximum transmission range (device-to-device)

100Base-T (100 Mbit Ethernet)	60 m
1000Base-T (Gbit Ethernet)	60 m
10GBase-T (10 Gbit Ethernet)	not supported

frequency [MHz]	attenuation [dB/10m]	Next [dB]	ACR [dB/100m]	EL-FEXT [dB/100m]	RL [dB]
	typical				
1	0.3	73	73	68	23
4	0.58	65	64	58	26
10	0.93	62	61	51	30
31.25	1.68	55	53	38	30
62.5	2.48	50	48	34	30
100	3.12	48	45	30	28
200	3.9	45	41	23	24

order code	type	outer jacket	working temperature	cable color	weight kg/m	standard lengths m
C5PSY	SF/UTP	PVC	-20°C / +70°C	black	0,04	50 / 100 / 200 / 300 / 500
C5PSP	SF/UTP	PUR	-40°C / +70°C	black	0,04	50 / 100 / 200 / 300 / 500

technical specifications are subject to change

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