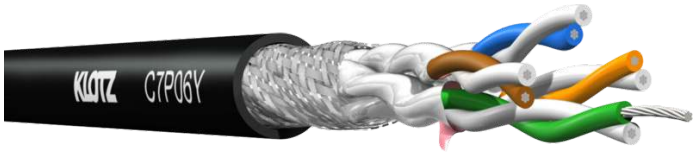

CAT7 patch cable
AWG 26/7 - S/FTP - 600 MHz - PUR / PVC

- 4 x 2 x AWG 26/7 - 600 MHz
- S/FTP (overall braid shield + foil shielded twisted pairs)
- category 7 acc. to IEC 61156-6
- version in PVC or PUR

PUR **PVC**

Flexible data cable for transmission of analog and digital signals in the frequency range up to 600 MHz. It is suitable for work area wiring, device connecting and patching. For the use in class D, E, EA and F applications like 10Base-T, 100Base-T, 1000Base-T, 10GBase-T, Token Ring, FDDI, ISDN, ATM, audio networks like Ethersound™ and DMX lighting controls. It fulfills the requirements to Category 7 patch cables acc. to ISO/IEC 11801, EN 50173-1, IEC 61156-6 und EN 50288-4-2. 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	SFS-PE, Ø 1.03 mm
core stranding	2 cores twisted to a pair
twisting	4 shielded pairs stranded
pair shielding	AL/PET foil
overall shield	tinned copper braid
outer jacket	PVC ou PUR, black
overall diameter	6.3 mm

electric

conductor resistance	< 145 Ω/km
mutual capacitance	45 pF/m
characteristic impedance	100 Ω ± 15%
signal speed	0.76 c
propagation delay	< 450 ns/100m
delay skew	< 3 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)	60 m

frequency [MHz]	attenuation [dB/10m]	Next [dB]	ACR [dB/100m]	EL-FEXT [dB/100m]	RL [dB]
	typical				
1	0.28		95		23
4	0.55	95	94.5	93	27
10	0.85	95	94.1	90	30
31.25	1.5	90	88.5	75	30
62.5	2.1	88	85.9	70	30
100	2.7	86	83.3	58	28
200	3.85	84	80.2	50	26
300	4.7	82	77.3	47	24
500	6.2	78	72.3	42	22
600	6.8	75	68.3	40	21

order code	type	outer jacket	working temperature	cable color	weight kg/m	standard lengths m
C7P06Y	S/FTP	PVC	-20°C / +70°C	black	0.04	100 / 300 / 500
C7P06P	S/FTP	PUR	-40°C / +70°C	black	0.04	100 / 300 / 500

technical specifications are subject to change

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