

**CAT6A data cable****AWG 23/1 - U/FTP - 500 MHz - PVC**

- 4 x 2 x 0.57 mm (AWG 23/1) - 100 Ohm
- U/UTP (unshielded pairs)
- category 6 augmented - acc. to DIN IEC 61156-5

PVC**sale**

Unshielded data transmission cable for the frequency range up to 500 MHz. Easy to install. Suitable for IEEE 802.3 10/100/1000/10GBase-T, FDDI, broadband, video, ISDN, ATM.

design

conductor	solid bare copper wire, Ø 0.57 mm (AWG 23/1)
core insulation	polyethylene (PE)
core stranding	2 cores twisted to a pair
twisting	within PE-Cross
overall diameter	7.2 mm

electric

conductor resistance	< 75 Ω/km
insulation resistance	5 GΩ x km
mutual capacitance	50 nF/km
characteristic impedance	100 Ω ± 15%
signal speed	0.68 c

properties

min. bending radius	
installation	8x overall diameter
operation	4x overall diameter
temperature range	
installation	-20°C / +60°C
operation	±0°C / +50°C
flame retardancy	acc. to IEC 60332-1

frequency [MHz]	attenuation [dB/100m]		Next [dB]		ACR [dB/100m]		EL-FEXT [dB/100m]		RL [dB]	
	typical	CAT5 MAX	typical	CAT5 MAX	typical	CAT5 MAX	typical	CAT5 MAX	typical	CAT5 MIN
1	1.9	2.1	80	63.5	78.1	63	68	64	22	20.0
4	3.7	4.0	75	56.3	71.3	52	56	52	24	23.0
10	5.6	6.3	70	50.3	64.4	44	46	44	26	25.0
16	7.2	8.0	68	47.3	60.8	39	48	40	26	25.0
20	7.9	9.0	65	45.3	57.1	36	41	38	26	25.0
31.25	9.8	11.4	60	42.9	50.2	32	35	34	25	23.6
62.5	15.0	16.5	54	38.4	39.0	22	30	28	23	21.5
100	18.2	21.3	46	35.3	26.8	14	26	24	21	20.1
125	20.0	-	42	-	22.0	-	24	-	20	-
200	24.2	-	38	-	13.8	-	22	-	19	-

order code	type	outer jacket	cable color	weight kg/m	standard lengths m
C6AUUEY	U/UTP	PVC	grey	0.05	100 / 300 / 500

technical specifications are subject to change