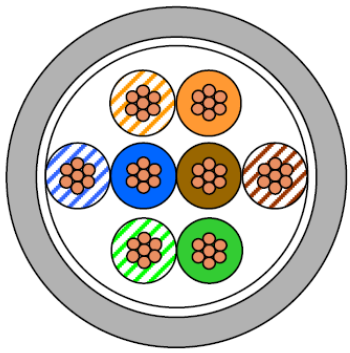
GESCABLE **Ficha Técnica**

U/UTP CAT. 5 FLEX
AWG26/7 Patch Cable
UC300 S.26 Cat.5e

UC300 26 Cat.5e

U/UTP AWG26/7 Patch Cable



Application

Work area and patch cord cable
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Standards

EIA/TIA 568A;
ISO/IEC 11801 2nd ed.; IEC 61156-6
EN 50173-1; EN 50288-3-2

Fire rating

PVC:	IEC 60332-1
LSHF(FRNC):	IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire Ø 0.48 mm (AWG 26/7)
Insulation	Polyethylene, Ø 0.9 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Sheath	PVC or FRNC, grey RAL 7035

Mechanical properties

Bending radius		≥ 20 mm without load ≥ 40 mm with load
Temperature range,	during operation during installation	-20°C upto + 60°C 0°C upto + 50°C

UC300 26 Cat.5e

Electrical properties

bei 20°C

DC loop resistance	≤ 260 Ω /km
Resistance unbalance	≤ 3%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	nom. 48 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Mean impedance at 100 MHz	100 ± 5Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	≤ 535 ns/100m
Delay skew	≤ 20 ns/100m
Test voltage (DC, 1 min) Core/Core and Core/Screen	1000 V
Coupling attenuation	≥ 40 dB

Transmission characteristics acc. to Category 5e

bei 20°C

f	Attenu-ation	NEXT		PS-NEXT		ACRF		PS-ACRF		Return loss
(MHz)	(dB/10m)	(dB)		(dB)		(dB/100m)		(dB/100m)		(dB)
	nom.	min.	nom.	min.	nom.	min.	nom.	min.	nom.	min.
1	0.3	65	71	62	68	64	68	61	65	23
4	0.6	56	62	53	59	52	56	49	53	23
10	0.9	50	56	47	53	44	48	41	45	23
16	1.1	47	53	44	50	40	44	37	41	23
20	1.3	46	51	43	48	38	42	35	39	23
31.2	1.6	43	49	40	46	34	38	31	35	23
62.5	2.4	38	44	35	41	28	32	25	29	23
100	3.0	35	41	32	38	24	28	21	25	23
125	3.3		40		37		26		23	
155.5	3.6		38		35		24		21	
175	3.9		37		34		23		20	
200	4.1		36		33		22		19	
250	4.4		35		32		20		17	
300	4.8		34		31		16		13	