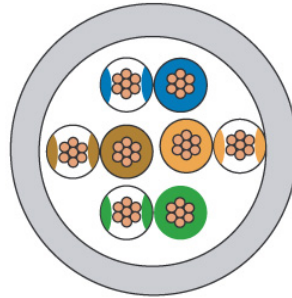


UC300 26 Cat 5e

U/UTP Patch cable AWG26/7



Application

Tertiary (horizontal)
 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: IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire 0,14mm ² (AWG 26/7)
Insulation	Polyethylene, Ø 0.8 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Sheath	PVC or LSHF (FRNC, LSOH), grey RAL 7035

Mechanical properties

Bending radius	8 x D (Installation) 4 x D (Installed)
Temperature range, during operation during installation	-20°C up to + 60°C 0°C up to + 50°C

UC300 26 Cat 5e

Electrical properties

at 20°C

DC loop resistance	≤ 250 Ω /km
Resistance unbalance	≤ 3%
Insulation resistance (500 V)	≥ 2000 MΩ *km
Capacitance at 800 Hz	nom. 50 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Mean characteristic impedance 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation	approx. 70 %
Propagation delay	Nominal 550 ns/100m
Delay skew	Nominal 20 ns/100m
Test voltage (DC, 1 min)	1000 V
Core/Core and Core/Screen	

Transmission characteristics acc. to Category 5e

at 20°C

f (MHz)	Attenu- ation (dB/10m)	NEXT		PS-NEXT		ELFEXT		PS-ELFEXT		Return loss (dB)
		(dB)		(dB)		(dB/10m)		(dB/10m)		
	nom.	min.	nom.	min.	nom.	min.	nom.	min.	nom.	min.
1	0.3	65	71	62	68	64	68	61	65	20,0
4	0.6	56	62	53	59	52	56	49	53	23,0
10	0.9	50	56	47	53	44	48	41	45	25,0
16	1.1	47	53	44	50	40	44	37	41	25,0
20	1.3	46	51	43	48	38	42	35	39	25,0
31.2	1.6	43	49	40	46	34	38	31	35	23,6
62.5	2.4	38	44	35	41	28	32	25	29	21,5
100	3.0	35	41	32	38	24	28	21	25	20,1
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	

Technical Data

Product code	Designation	Product name	Colour	Outer dia- meter	Fire load		Weight	Copper content	Max tensile force
				mm	MJ/km	kWh/m	kg/km	kg/km	N
DCD10005	Li-2YY 4x2x0.48L	UC300 26 4P PVC	grey RAL 7035	4.9	344	0.096	25	11	100
DCD10009	Li-2YH 4x2x0.48L	UC300 26 4P LSHF		4.9	324	0.092	26	11	100

UC300 26 Cat 5e

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC300 26 C5e U/UTPp 4P LSHF OG	--	--	60028332

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