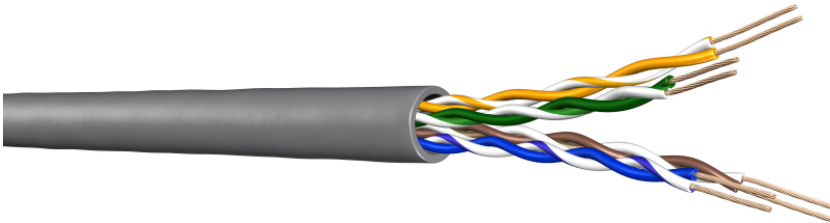


UC300 26 Cat.5e

U/UTP AWG26/7 Patch Cable



Application

Work area and patch cord cable only!
Not recommended for fix installation.
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM
Power over Ethernet (PoE) / Type 1-4

Standards

EIA/TIA 568A;
ISO/IEC 11801 2nd ed.; IEC 61156-6
EN 50173-1; EN 50288-3-2
IEEE 802.3af / at / bt

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)	1000 V
Core/Core and Core/Screen	
Coupling attenuation	≥ 40 dB

Transmission characteristics acc. to Category 5e

bei 20°C

f (MHz)	Attenuation (dB/10m)	NEXT		PS-NEXT		ACRF		PS-ACRF		Return loss (dB)
		(dB)		(dB)		(dB/100m)		(dB/100m)		
	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	

UC300 26 Cat.5e

Technische Angebotsdaten

Product code	Brand name	Colour	Outer diameter mm	Fire load		Weight kg/km	Copper content kg/km	Tensile force N
				MJ/km	kWh/m			
1000006	UC300 26 4P PVC	grey RAL 7035	5.2	344	0.096	25	11	55
1000010	UC300 26 4P LSHF			324	0.092	26	11	55
1000707	UC300 26 4P PVC	blue RAL 5012		344	0.096	25	11	55
1000468	UC300 26 4P LSHF			324	0.092	26	11	55

Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC300 26 C5e U/UTPp 4P PVC GY		60015267	60015267
UC300 26 C5e U/UTPp 4P PVC GY 500DP	1000006-00500DP	60015267	60011521
UC300 26 C5e U/UTPp 4P PVC GY 1000DP	1000006-01000DP	60015267	60011522
UC300 26 C5e U/UTPp 4P LSHF GY	1000010	60016021	60016021
UC300 26 C5e U/UTPp 4P LSHF GY 500DP	1000010-00500DP	60016021	60011411
UC300 26 C5e U/UTPp 4P LSHF GY 1000DP	1000010-01000DP	60016021	60016025
UC300 26 C5e U/UTPp 4P LSHF RD	1000466	60016002	60016002
UC300 26 C5e U/UTPp 4P LSHF RD 500DP	1000466-00500DP	60016002	60016005
UC300 26 C5e U/UTPp 4P LSHF GN	1000467	60016006	60016006
UC300 26 C5e U/UTPp 4P LSHF GN 500DP	1000467-00500DP	60016006	60016008
UC300 26 C5e U/UTPp 4P LSHF GN 1000DP	1000467-01000DP	60016006	60016011
UC300 26 C5e U/UTPp 4P LSHF BU	1000468	60016014	60016014
UC300 26 C5e U/UTPp 4P LSHF BU 500DP	1000468-00500DP	60016014	60016016
UC300 26 C5e U/UTPp 4P LSHF BU 1000DP	1000468-01000DP	60016014	60016019
UC300 26 C5e U/UTPp 4P LSHF YE	1000470	60016027	60016027
UC300 26 C5e U/UTPp 4P LSHF YE 500DP	1000470-00500DP	60016027	60016029

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