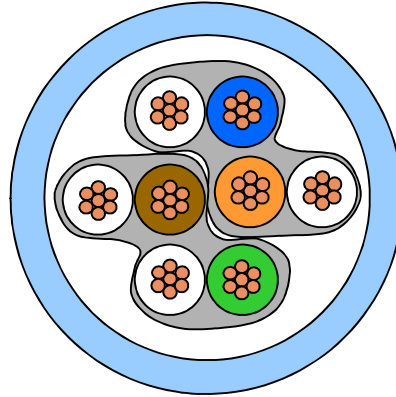


UC500 26 U/UTP Cat.6_A LSHF Patch

U/UTP



Application

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

Standards

EN 50173-1; EN 50288-11-2
ISO/IEC 11801; IEC 61156-6

Flame resistance

EN50399: Class Eca
LSHF(LSOH): IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	stranded bare copper wire \varnothing 0.45 mm (AWG26)	
Insulation	Foam Skin Polyethylene, \varnothing 1.05 mm	
Twisting	2 cores to the pair	
Cable lay up	4 pairs to the core	
Screen	patented 10G-foil,, patented wrapping of two pairs each	
Outer sheath	LSHF(LSOH) acc. EN50290-2-27, RAL 5024	

Mechanical properties

Bending radius	without load	4 x D
	with load	8 x D
Temperature range	during operation	-20°C to + 60°C
	during installation	0°C to + 50°C

UC500 26 U/UTP Cat.6_A LSHF Patch

Electrical properties

at 20°C ± 5°C

Loop resistance		250 Ω/km
Resistance unbalance		≤ 3%
Insulation resistance	(500 V)	≥ 2000 MΩ*km
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 1500 pF/km
Characteristic impedance	100 MHz	100 ± 5 Ω
Nominal velocity of propagation		Ca.76 %
Propagation delay		≤ 427 ns/100m
Delay skew		≤ 45 ns/100m
Test voltage		1000 V

Nominal Transmission characteristics

acc. Cat.6_A at 20°C)

f	Attenuation	RL	NEXT	PSNEXT	ACRF	PSACRF	PSANEXT	PSAELFEXT
MHz	dB/10m nom.	dB min.	dB min.	dB min.	dB/100m min.	dB/100m min.	dB min.	dB min.
1	0,3	20,0	75,3	72,3	68,0	65,0	67,0	67,0
4	0,6	23,0	66,3	63,3	56,0	53,0	67,0	66,2
10	0,9	25,0	60,3	57,3	48,0	45,0	67,0	58,2
16	1,1	25,0	57,2	54,2	43,9	40,9	67,0	54,1
20	1,3	25,0	55,8	52,8	42,0	39,0	67,0	52,2
31,3	1,6	23,3	52,9	49,9	38,1	35,1	67,0	48,3
62,5	2,2	20,7	48,4	45,4	32,1	29,1	65,6	42,3
100	2,9	19,0	45,3	42,3	28,0	25,0	62,5	38,2
125	3,2	18,2	43,8	40,8	26,1	23,1	61,0	36,3
155,5	3,6	17,3	42,4	39,4	24,2	21,2	59,6	34,4
175	3,9	16,9	41,7	38,7	23,1	20,1	58,9	33,3
200	4,1	16,4	40,8	37,8	22,0	19,0	58,0	32,2
250	4,7	15,6	39,3	36,3	20,0	17,0	56,5	30,2
300	5,1	14,9	38,1	35,1	18,5	15,5	55,3	28,7
500	6,8	13,0	34,8	31,8	14,0	11,0	52,0	24,2

Technical data

Product code	Brand name	Outer diameter mm	Euro class	Fire load		Weight kg/km	Copper content	Tensile force N
				MJ/km	kWh/m			
60041624	UC500 26 U/UTP Cat.6 _A LSHF Patch	6,2 +/- 0.2	E _{ca}	373	0.098	39	12	50

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