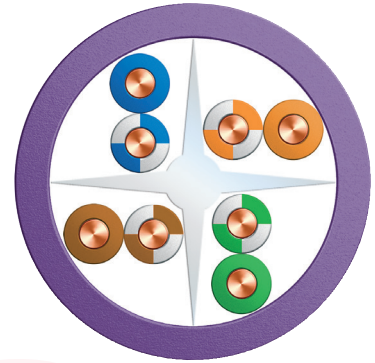




UC400 Cat.6 HD

U/UTP Installation Cable



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Construction

Conductor	Bare copper wire: Nom. 0,54 mm
Insulation	Polyethylene, Ø 0.95 mm nom
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core with non-metallic cross separator (spline)
Sheath	LSZH

Available Colours



Standards

EIA/TIA-568-C.2
ISO/IEC 11801 2nd ed; IEC 61156-5
EN 50173-1, EN 50288-6-1





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Flame resistance

IEC 60332-1; IEC 60754-2; IEC 61034

Mechanical properties

Temperature range	during operation	-20 to +60	°C
	during installation	0 to +50	°C
Min. bending radius	Installation	8	x Ø
	Installed	4	x Ø

Electrical Properties

DC loop resistance	≤	176	Ω/km
Resistance unbalance	≤	2	%
Insulation resistance (500 V)	≥	5000	MΩ*m
Capacitance at 800 Hz	nom.	48	nF/km
Capacitance unbalance (pair to ground)	≤	1500	pF/m
Mean impedance 100 MHz		100±5	Ω
Nominal velocity of propagation	approx.	67	%
Propagation delay	nom.	535	ns/100m
Delay skew	nom.	20	ns/100m
Test voltage (DC, 1 min) Core/Core		1000	V

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Electrical Data nominal transmission characteristics at 20°C)

Frequency	Attenuation		NEXT		PS-NEXT		ACR		PS-ACR		ELFEXT		PS-ELFEXT		Return Loss
	dB/100m		dB		dB		dB/100m		dB/100m		dB/100m		dB/100m		
	max.	nom.	min.	nom.	min.	nom.	min.	nom.	min.	nom.	min.	nom.	min.	nom.	
1	2,1	1,9	74	78	72	75	72,0	76,1	70,0	73,1	68	82	65	80	20
4	3,8	3,8	65	69	63	66	61,2	65,2	59,2	62,2	56	70	53	68	23
10	6,0	6,0	59	63	57	60	53,0	57,0	51,0	54,0	48	62	45	60	25
16	7,6	7,6	56	60	54	57	48,4	52,3	46,4	49,3	44	58	41	56	25
20	8,5	8,5	55	59	53	56	46,5	50,0	44,5	47,0	42	56	39	54	25
31,2	10,7	10,7	52	56	50	53	41,3	45,0	39,3	42,0	38	52	35	50	23,6
62,5	15,5	15,1	47	51	45	48	31,5	36,0	29,5	33,0	32	46	29	44	21,5
100	19,9	19,1	44	48	42	45	24,1	28,9	22,1	25,9	28	42	25	40	20,1
125	22,5	21,3	43	47	41	44	20,5	25,2	18,5	22,2	26	40	23	38	19,5
155,5	25,4	23,8	42	45	40	42	16,6	21,3	14,6	18,3	24	38	21	36	18,8
175	27,1	25,3	41	44	39	41	13,9	19,1	11,9	16,1	23	37	20	35	18,4
200	29,2	27,0	40	44	38	41	10,8	16,5	8,8	13,5	22	36	19	34	18,0
250	33,0	32,0	38	42	36	39	5,0	10,0	2,0	7,0	20	34	17	32	17,3
300	-	36,1	-	41	-	38	-	4,8	-	1,8	-	32	-	30	-
400	-	41,7	-	39	-	36	-	-2,7	-	-5,7	-	30	-	28	-



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Technical data

Product code	Colour	Product name	Outer diameter mm	Fire load		Weight kg/km	Tensile force N
				MJ/km	kWh/m		
60025433	Violet RAL4001	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60045114	White RAL9010	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60010360	Blue RAL5012	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60049907	Orange RAL2003	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60049910	Black RAL9005	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60049909	Red RAL3000	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60049908	Yellow RAL1021	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60049906	Green RAL6018	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100
60066581	Ivory RAL1015	UC400 Cat.6 U/UTP HD 4P LSZH	5,30	316	0,087	36	100

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