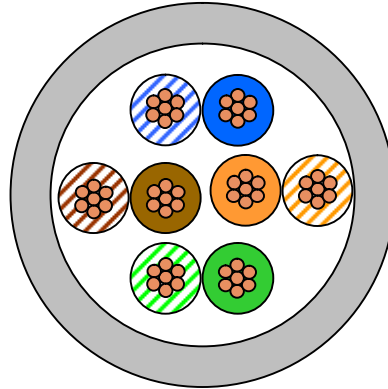


## UC400 26 Cat.6

### 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 568B;  
ISO/IEC 11801 2<sup>nd</sup> ed.; IEC 61156-6  
EN 50173; EN 50288-6-2

### Flame resistance

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

### Construction

Conductor	Stranded Cu-wire, tinned Ø 0.51 mm (AWG26/7)	
Insulation	Polyethylene, Ø 0.98 mm	
Identification	a-core blue, orange, green, brown b-core white with coloured stripe marking as corresponding a-core	
Twisting	2 cores to the pair	
Cable lay up	4 pairs to the cable core	
Sheath	PVC or LSHF	

### Mechanical properties

Minimum bending radius	without load	≥ 25 mm
	with load	≥ 50 mm
Temperature range	stored	-20°C up to + 60°C
	under operation	0°C up to + 50°C

## UC400 26 Cat.6

### Electrical properties

at 20°C

DC loop resistance	≤ 195 Ω /km
Resistance unbalance	≤ 2%
Insulation resistance (500 V)	≥ 5000 MΩ *km
Capacitance at 800 Hz	Nom. 52 nF/km
Capacitance unbalance (pair to ground)	≤ 1500 pF/km
Mean characteristic impedance (100 MHz)	100 ± 5 Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	520 ns/100m
Delay skew	25 ns/100m
Test voltage (DC, 1 min)	1000 V
Coupling attenuation	≥ 40 dB

### Transmission characteristics acc. to Category 6

at 20°C

f (MHz)	Attenuation (dB/10m) nom.	NEXT (dB)		PS-NEXT (dB)		ACRF (dB/10m)		PS-ACRF (dB/10m)		Return loss (dB) min.
		min.	nom.	min.	nom.	min.	nom.	min.	nom.	
1	0.3	74	74	71	71	67	69	64	66	20
4	0.6	65	66	62	63	55	57	52	54	23
10	0.9	59	60	56	57	47	49	44	46	25
16	1.1	56	57	53	54	43	45	40	42	25
20	1.3	55	56	52	53	41	43	38	40	25
31,2	1.6	52	53	49	50	37	39	34	36	24
62,5	2.3	47	48	44	45	31	33	28	30	22
100	3.0	44	45	41	42	27	29	24	26	20
125	3.3	43	44	40	41	25	27	22	24	20
156	3.7	42	43	39	40	23	25	20	22	19
175	4.0	41	42	38	39	22	24	19	21	18
200	4.4	40	41	37	38	21	23	18	20	18
250	4.9	38	39	35	36	20	22	17	19	17
300	5.2		38		35		21		18	
400	6.0		37		34		20		17	

### Technical data

Product code	Designation	Brand name	Colour	Outer diameter	Fire load		Weight	Copper content	Tensile force
				mm	MJ/km	kWh/m	kg/km		N
1000014	Li-2YY 4x2x0,55L	UC400 26 Cat.6 U/UTP PVC 4P Patch	Grey	5.5	342	0.090	34	14	70
1000674									
1001070									
1001075									

## UC400 26 Cat.6

### Product Code Table

Product Description	Product Code	PG Reference Code	PG Part Number
UC400 26 C6 U/UTPp 4P LSHF OG	1024856	60015344	<b>60015344</b>
UC400 26 C6 U/UTPp 4P LSHF OG 500DP	1024856-00500DP	60015344	<b>60015346</b>
UC400 26 C6 U/UTPp 4P LSHF BK	1004623	60015348	<b>60015348</b>
UC400 26 C6 U/UTPp 4P LSHF BK 500DP	1004623-00500DP	60015348	<b>60015350</b>
UC400 26 C6 U/UTPp 4P LSHF RD	1001074	60015351	<b>60015351</b>
UC400 26 C6 U/UTPp 4P LSHF RD 500DP	1001074-00500DP	60015351	<b>60015353</b>
UC400 26 C6 U/UTPp 4P LSHF GN	1001072	60015355	<b>60015355</b>
UC400 26 C6 U/UTPp 4P LSHF GN 500DP	1001072-00500DP	60015355	<b>60015357</b>
UC400 26 C6 U/UTPp 4P LSHF BU	1001070	60015359	<b>60015359</b>
UC400 26 C6 U/UTPp 4P LSHF BU 500DP	1001070-00500DP	60015359	<b>60015360</b>
UC400 26 C6 U/UTPp 4P LSHF YE	1001075	60015411	<b>60015411</b>
UC400 26 C6 U/UTPp 4P LSHF YE 500DP	1001075-00500DP	60015411	<b>60015413</b>
UC400 26 C6 U/UTPp 4P LSHF GY	1000674	60011408	<b>60011408</b>
UC400 26 C6 U/UTPp 4P PVC GY 500DP	1000014-00500DP	60011586	<b>60011585</b>
UC400 26 C6 U/UTPp 4P PVC GY	1000014	60011586	<b>60011586</b>
UC400 26 C6 U/UTPp 4P LSHF GY 500DP	1000674-00500DP	60011408	<b>60015363</b>

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