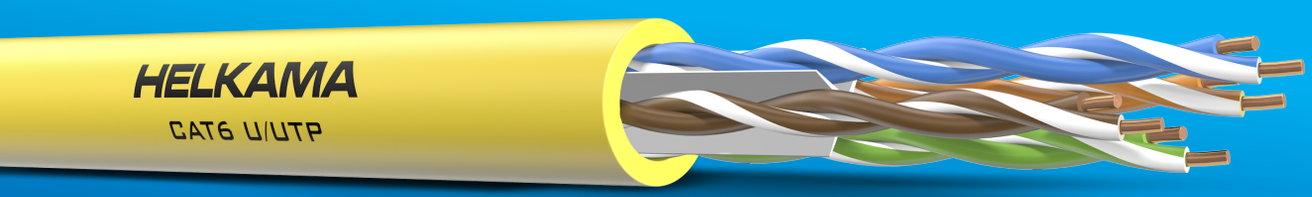
CAT 6

U/UTP 4 PR AWG 24



CONDUCTOR	Solid copper conductor 24 AWG/1
INSULATION	Solid PE
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-5

PHYSICAL PROPERTIES:

BENDING RADIUS (Installation/Fixed)	8 x Ø / 4 x Ø
MAX. RECOMMENDED PULLING TENSION	100 N
NOMINAL OUTER Ø	6.0 ± 0.30 mm
CABLE WEIGHT	40 kg/km
CORE IDENTIFICATION	
Pair colours	1. White & Blue
	2. White & Orange
	3. White & Green
	4. White & Brown
PACKAGING	305 m box, 500 m drum

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	IEC 60332-3-24 Dca-s2, d2, a1
MAX. CONDUCTOR DC RESISTANCE	93.8 ohm/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 19 ohm/100 m @20 °C
NOM. MUTUAL CAPACITANCE	nom. 5.6 nF/100 m
CAPACITANCE UNBALANCE PAIR TO GROUND	≤160 pF/km @1 kHz
MIN. INSULATION RESISTANCE	> 5000 Mohm x km
IMPEDANCE	100 ± 5 ohm @100 MHz
RATED TEMPERATURE	75 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C

helkamabica.com
customer.care@helkamabica.fi
+358 2 410 8700

CAT 6
U/UTP 4 PR AWG 24

ITEM NUMBERS:

Part number	Item description	Colour
3310123042	U/UTP-CAT6, AWG24/1 305m BOX	Black
3310223042	U/UTP-CAT6, AWG24/1 305m BOX	Yellow
3310323042	U/UTP-CAT6, AWG24/1 305m BOX	Grey
3310423042	U/UTP-CAT6, AWG24/1 305m BOX	White
3310523042	U/UTP-CAT6, AWG24/1 305m BOX	Orange
3310623042	U/UTP-CAT6, AWG24/1 305m BOX	Blue
3310723042	U/UTP-CAT6, AWG24/1 305m BOX	Red
3310823042	U/UTP-CAT6, AWG24/1 305m BOX	Green

Part number	Item description	Colour
3311123042	U/UTP-CAT6, AWG24/1 500m	Black
3311223042	U/UTP-CAT6, AWG24/1 500m	Yellow
3311323042	U/UTP-CAT6, AWG24/1 500m	Grey
3311423042	U/UTP-CAT6, AWG24/1 500m	White
3311523042	U/UTP-CAT6, AWG24/1 500m	Orange
3311623042	U/UTP-CAT6, AWG24/1 500m	Blue
3311723042	U/UTP-CAT6, AWG24/1 500m	Red
3311823042	U/UTP-CAT6, AWG24/1 500m	Green

PERFORMANCE:

F (MHz)	**ATT** (dB/100 m)	**RL** (dB)	**NEXT** (dB)	**PS NEXT** (dB)	**ACRF (EL FEXT)** (dB/100 m)	**PS ACRF (PS EL FEXT)** (dB/100 m)	**PD** (ns/100 m)
1.0	2.1	20	74	72	68	65	570
4.0	3.8	23	65	63	56	53	552
8.0	5.3	25	61	59	50	47	547
10.0	5.9	25	59	57	48	45	545
16.0	7.5	25	56	54	44	41	543
20.0	8.4	25	55	53	42	39	542
25.0	9.4	24	53	51	40	37	541
31.2	10.5	24	52	50	38	35	540
70.0	15.0	22	47	45	32	29	539
100.0	19.1	20	44	42	28	25	538
200.0	27.6	18	40	38	22	19	537
250.0	31.1	17	38	36	20	17	536
300	34.3	17	37	35	18	15	536
400	40.1	17	35	33	16	13	536
500	45.3	17	34	32	14	11	536

F = Frequency
ATT = Attenuation
RL = Return Loss
NEXT = Near End Crosstalk
PS NEXT = Power Sum Near End Crosstalk
ACRF (EL FEXT) = Attenuation to Crosstalk Ratio Far End Crosstalk
PS ACRF (PS EL FEXT) = Power Sum Attenuation to Crosstalk Ratio Far End Crosstalk
PD = Phase Delay

helkamabica.com
customer.care@helkamabica.fi
+358 2 410 8700