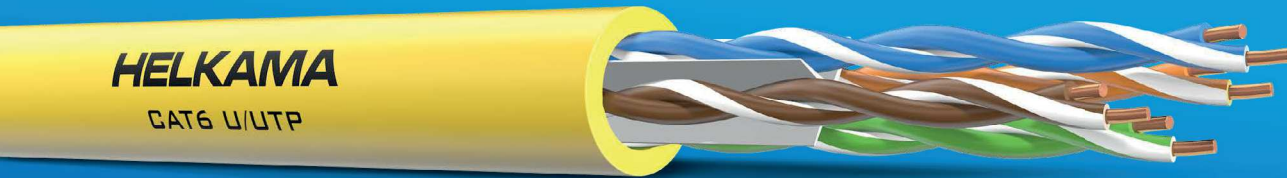


# CAT 6

## U/UTP 4 PR AWG 23/1



<b>CONDUCTOR</b>	Solid bare copper, 23 AWG/1
<b>INSULATION</b>	Solid PE
<b>CONDUCTOR IDENTIFICATION</b>	1. White & Blue 2. White & Orange 3. White & Green 4. White & Brown
<b>SHEATH</b>	LSZH
<b>REFERENCE STANDARD</b>	IEC 61156-5

### PHYSICAL PROPERTIES:

<b>RATED TEMPERATURE</b>	75 °C
<b>OPERATING TEMPERATURE RANGE</b>	-20 °C - 75 °C
<b>BENDING RADIUS</b>	Installation 8 x diameter
<b>MAX. RECOMMENDED PULLING TENSION</b>	110 N
<b>OUTER DIAMETER</b>	6.1±0.30 mm
<b>CABLE WEIGHT</b>	40 kg/km

### ELECTRICAL PROPERTIES:

<b>MAX. CONDUCTOR DC RESISTANCE</b>	93.8 Ω/km @20 °C
<b>CONDUCTOR LOOP RESISTANCE</b>	max. 19 Ω/100 m @20 °C
<b>NOM. MUTUAL CAPACITANCE</b>	nom. 5.0 nF/100 m
<b>CAPACITANCE UNBALANCE PAIR TO GROUND</b>	≤1600 pF/km @1 kHz
<b>INSULATION RESISTANCE</b>	>5000 MΩ x km
<b>IMPEDANCE</b>	100±25 Ω @100 MHz
<b>FIRE PERFORMANCE</b>	IEC 60332-3-24 (Cat. C), Dca-s2, d2, a1
<b>IDENTIFICATION</b>	Printed on the sheath: Manufacturer's name, Cable size, Cable type, Reaction to fire, Lot number, Production month and year, Meter marking
<b>PACKAGING</b>	305 m box, 500 m drum

# CAT 6

## U/UTP 4 PR AWG 23/1

### ITEM NUMBERS:

Part number	Item description	Colour	Part number	Item description	Colour
3310124042	U/UTP-CAT6, AWG23/1 305m BOX	Black	3311124042	U/UTP-CAT6, AWG23/1 500m	Black
3310224042	U/UTP-CAT6, AWG23/1 305m BOX	Yellow	3311224042	U/UTP-CAT6, AWG23/1 500m	Yellow
3310324042	U/UTP-CAT6, AWG23/1 305m BOX	Grey	3311324042	U/UTP-CAT6, AWG23/1 500m	Grey
3310424042	U/UTP-CAT6, AWG23/1 305m BOX	White	3311424042	U/UTP-CAT6, AWG23/1 500m	White
3310524042	U/UTP-CAT6, AWG23/1 305m BOX	Orange	3311524042	U/UTP-CAT6, AWG23/1 500m	Orange
3310624042	U/UTP-CAT6, AWG23/1 305m BOX	Blue	3311624042	U/UTP-CAT6, AWG23/1 500m	Blue
3310724042	U/UTP-CAT6, AWG23/1 305m BOX	Red	3311724042	U/UTP-CAT6, AWG23/1 500m	Red
3310824042	U/UTP-CAT6, AWG23/1 305m BOX	Green	3311824042	U/UTP-CAT6, AWG23/1 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	1.8	37	95	85	94	83	538
4.0	3.5	34	97	88	92	73	523
8.0	5.0	36	89	87	82	68	519
10.0	5.6	38	81	80	77	65	517
16.0	7.1	41	87	82	81	60	515
20.0	8.0	46	92	75	83	58	514
25.0	9.0	40	87	82	82	56	513
31.2	10.1	37	79	73	70	56	513
62.5	14.5	32	69	69	59	48	511
100.0	18.4	31	71	68	59	46	510
200.0	26.6	32	67	41	42	40	509
250.0	30.0	32	66	39	38	37	509

**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