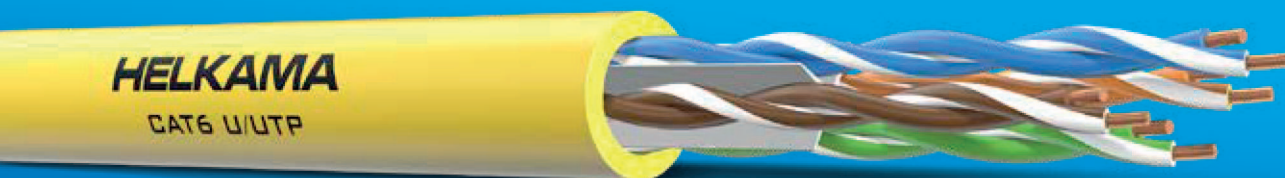


CAT 6

U/UTP 4 PR AWG 23/1



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

PHYSICAL PROPERTIES:

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

ELECTRICAL PROPERTIES:

MAX. CONDUCTOR DC RESISTANCE	93.8 Ω/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 19 Ω/100 m @20 °C
NOM. MUTUAL CAPACITANCE	nom. 5.0 nF/100 m
CAPACITANCE UNBALANCE PAIR TO GROUND	≤1600 pF/km @1 kHz
INSULATION RESISTANCE	>5000 MΩ x km
MAX. OPERATING VOLTAGE	300 V
REACTION TO FIRE	IEC 60332-3-24 (Cat. C), Dca-s2, d2, a1
IDENTIFICATION	Printed on the sheath: Manufacturer's name, Cable size, Cable type, Reaction to fire, Lot number, Production month and year, Meter marking
PACKAGING	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	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Black	3311124042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Black
3310224042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Yellow	3311224042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Yellow
3310324042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Grey	3311324042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Grey
3310424042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	White	3311424042	HELKAMA U/UTP-CAT6, AWG23/1 500m	White
3310524042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Orange	3311524042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Orange
3310624042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Blue	3311624042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Blue
3310724042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Red	3311724042	HELKAMA U/UTP-CAT6, AWG23/1 500m	Red
3310824042	HELKAMA U/UTP-CAT6, AWG23/1 305m BOX	Green	3311824042	HELKAMA 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