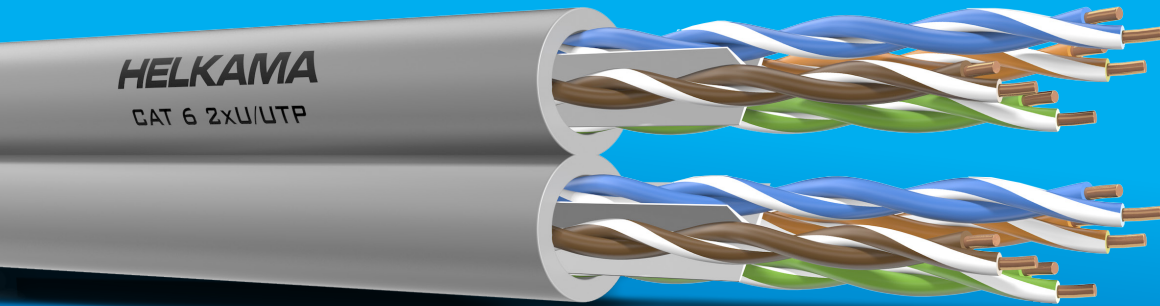


CAT 6

2XU/UTP 4 PR AWG 24/1



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	110 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

CAT 6

2XU/UTP 4 PR AWG 24

ITEM NUMBERS:

Part number	Item description	Colour	Part number	Item description	Colour
3310123082	2XU/UTP-CAT6, AWG24/1 305m BOX	Black	3311123082	2XU/UTP-CAT6, AWG24/1 500m	Black
3310223082	2XU/UTP-CAT6, AWG24/1 305m BOX	Yellow	3311223082	2XU/UTP-CAT6, AWG24/1 500m	Yellow
3310323082	2XU/UTP-CAT6, AWG24/1 305m BOX	Grey	3311323082	2XU/UTP-CAT6, AWG24/1 500m	Grey
3310423082	2XU/UTP-CAT6, AWG24/1 305m BOX	White	3311423082	2XU/UTP-CAT6, AWG24/1 500m	White
3310523082	2XU/UTP-CAT6, AWG24/1 305m BOX	Orange	3311523082	2XU/UTP-CAT6, AWG24/1 500m	Orange
3310623082	2XU/UTP-CAT6, AWG24/1 305m BOX	Blue	3311623082	2XU/UTP-CAT6, AWG24/1 500m	Blue
3310723082	2XU/UTP-CAT6, AWG24/1 305m BOX	Red	3311723082	2XU/UTP-CAT6, AWG24/1 500m	Red
3310823082	2XU/UTP-CAT6, AWG24/1 305m BOX	Green	3311823082	2XU/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	2.0	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	6.0	25	59	57	48	45	545
16.0	7.6	25	56	54	44	41	543
20.0	8.5	25	55	53	42	39	542
25.0	9.5	24	53	51	40	37	541
31.2	10.7	24	52	50	38	35	540
62.5	15.4	22	47	45	32	29	539
100.0	19.8	20	44	42	28	25	538
200.0	29.0	18	40	38	22	19	537
250.0	32.9	17	38	36	20	17	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