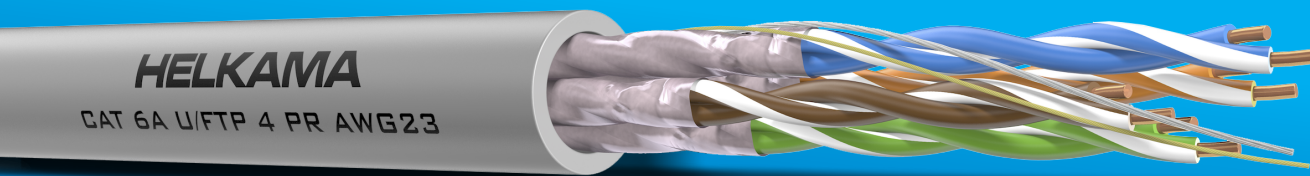


CAT 6A

U/FTP 4 PR AWG 23



CONDUCTOR	Solid copper conductor 23 AWG/1
INSULATION	Foam PE
PAIR SHIELDING	Aluminium foil
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	95 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 6A

U/FTP 4 PR AWG 23

ITEM NUMBERS:

Part number	Item description	Colour	Part number	Item description	Colour
3334124042	U/FTP-CAT6A, AWG23/1 305m BOX	Black	3335124042	U/FTP-CAT6A, AWG23/1 500m	Black
3334224042	U/FTP-CAT6A, AWG23/1 305m BOX	Yellow	3335224042	U/FTP-CAT6A, AWG23/1 500m	Yellow
3334324042	U/FTP-CAT6A, AWG23/1 305m BOX	Grey	3335324042	U/FTP-CAT6A, AWG23/1 500m	Grey
3334424042	U/FTP-CAT6A, AWG23/1 305m BOX	White	3335424042	U/FTP-CAT6A, AWG23/1 500m	White
3334524042	U/FTP-CAT6A, AWG23/1 305m BOX	Orange	3335524042	U/FTP-CAT6A, AWG23/1 500m	Orange
3334624042	U/FTP-CAT6A, AWG23/1 305m BOX	Blue	3335624042	U/FTP-CAT6A, AWG23/1 500m	Blue
3334724042	U/FTP-CAT6A, AWG23/1 305m BOX	Red	3335724042	U/FTP-CAT6A, AWG23/1 500m	Red
3334824042	U/FTP-CAT6A, AWG23/1 305m BOX	Green	3335824042	U/FTP-CAT6A, 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	2.1	20	75	72	68	65	570
4.0	3.8	23	66	63	56	53	552
8.0	5.3	25	62	59	50	47	547
10.0	5.9	25	60	57	48	45	545
16.0	7.5	25	57	54	44	41	543
20.0	8.4	25	56	53	42	39	542
25.0	9.4	24	54	51	40	37	541
31.2	10.5	24	53	50	38	35	540
62.5	15.0	22	48	45	32	29	539
100.0	19.1	20	45	42	28	25	538
200.0	27.6	18	41	38	22	19	537
250.0	31.1	17	39	36	20	17	536
300	34.3	17	38	35	18	15	536
400	40.1	17	36	33	16	13	536
500	45.3	17	35	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