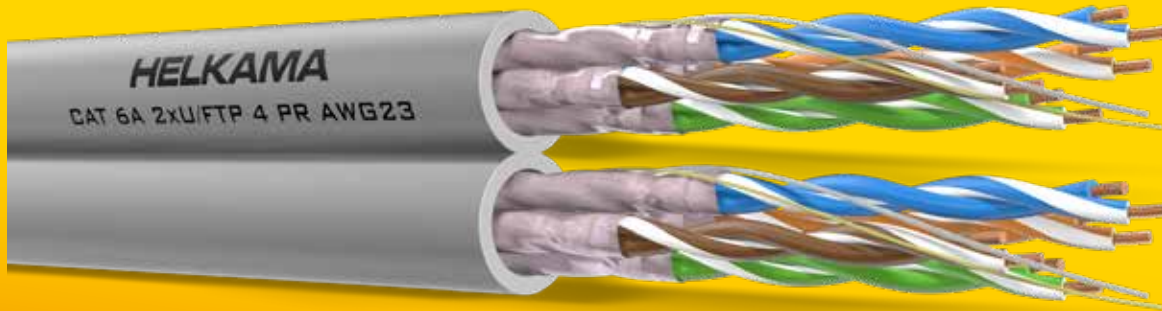


CAT 6A

2XU/FTP 4 PR AWG 23/1



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 ± 0.3 mm
CABLE WEIGHT	40 kg/km
CORE IDENTIFICATION Pair colours	1. White/Blue stripe & Blue 2. White/Orange stripe & Orange 3. White/Green stripe & Green 4. White/Brown stripe & Brown
PACKAGING	305 m box, 500 m drum

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	IEC 60332-3-24 Dca-s2-d2-a1
UV RESISTANCE (Black or grey cables only)	UL1581 section 1200
HALOGEN-FREE	IEC 60754 series
MAX. CONDUCTOR DC RESISTANCE	93.8 Ω/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 19 Ω/100 m @20 °C
NOM. MUTUAL CAPACITANCE	≤ 5.6 nF/100 m @1 kHz
CAPACITANCE UNBALANCE PAIR TO GROUND	≤ 160 pF/km @1 kHz
MIN. INSULATION RESISTANCE	>5000 MΩ/m
IMPEDANCE	100 ± 5 Ω @100 MHz
RATED TEMPERATURE	75 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C

Subject to change without prior notice. See latest update on our webpage.

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HELKAMA
THE PERFECT CONNECTION

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



helmacab.nl
info@helmacab.nl
+ 31 183 617 109

ITEM NUMBERS:

Part number	Cable type	Colour	Standard length m
3334124082	CAT 2x6A U/FTP AWG 23/1	Black	305
3334224082	CAT 2x6A U/FTP AWG 23/1	Yellow	305
3334324082	CAT 2x6A U/FTP AWG 23/1	Grey	305
3334424082	CAT 2x6A U/FTP AWG 23/1	White	305
3334524082	CAT 2x6A U/FTP AWG 23/1	Orange	305
3334624082	CAT 2x6A U/FTP AWG 23/1	Blue	305
3334724082	CAT 2x6A U/FTP AWG 23/1	Red	305
3334824082	CAT 2x6A U/FTP AWG 23/1	Green	305
3335124082	CAT 2x6A U/FTP AWG 23/1	Black	500
3335224082	CAT 2x6A U/FTP AWG 23/1	Yellow	500
3335324082	CAT 2x6A U/FTP AWG 23/1	Grey	500
3335424082	CAT 2x6A U/FTP AWG 23/1	White	500
3335524082	CAT 2x6A U/FTP AWG 23/1	Orange	500
3335624082	CAT 2x6A U/FTP AWG 23/1	Blue	500
3335724082	CAT 2x6A U/FTP AWG 23/1	Red	500
3335824082	CAT 2x6A U/FTP AWG 23/1	Green	500

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	26	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
62.5	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