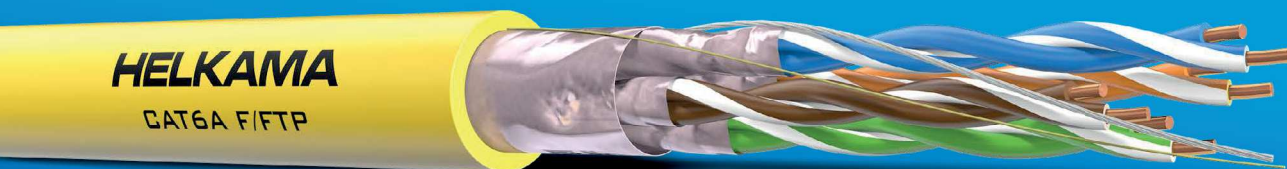


CAT 6A

F/FTP 4 PR AWG 23/1



CONDUCTOR	Solid copper conductor 23 AWG/1
INSULATION	Foam PE
CONDUCTOR IDENTIFICATION	1. White/Blue (Stripe) & Blue 2. White/Orange (Stripe) & Orange 3. White/Green (Stripe) & Green 4. White/Brown (Stripe) & Brown
PAIR SHIELDING	Aluminium foil
SHIELDING	Aluminium foil
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-5 & ISO/IEC 11801

PHYSICAL PROPERTIES:

RATED TEMPERATURE	75 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C
BENDING RADIUS	Installation 8 x outer diameter
MAX. RECOMMENDED PULLING TENSION	80 N
OUTER DIAMETER	7.1±0.3 mm
CABLE WEIGHT	51 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	≤5.6 nF/100 m @1 kHz
CAPACITANCE UNBALANCE PAIR TO GROUND	≤1600 pF/km @1 kHz
MIN. INSULATION RESISTANCE	5000 MΩ/m
IMPEDANCE	100±25 Ω @100 MHz
FIRE PERFORMANCE	IEC 60332-1-2, IEC 60332-3-22, Dca-s1a, d1, a1
IDENTIFICATION	Printed on the sheath: Manufacturer's name, Cable size and type, Fire performance, Lot number, Manufacturing date, Meter marking
PACKAGING	500 m drum, 1000 m drum

CAT 6A

F/FTP 4 PR AWG 23/1

ITEM NUMBERS:

Part number	Item description	Colour	Part number	Item description	Colour
3322124042	F/FTP-CAT6A, AWG23/1 500m	Black	3323124042	F/FTP-CAT6A, AWG23/1 1000m	Black
3322224042	F/FTP-CAT6A, AWG23/1 500m	Yellow	3323224042	F/FTP-CAT6A, AWG23/1 1000m	Yellow
3322324042	F/FTP-CAT6A, AWG23/1 500m	Grey	3323324042	F/FTP-CAT6A, AWG23/1 1000m	Grey
3322424042	F/FTP-CAT6A, AWG23/1 500m	White	3323424042	F/FTP-CAT6A, AWG23/1 1000m	White
3322524042	F/FTP-CAT6A, AWG23/1 500m	Orange	3323524042	F/FTP-CAT6A, AWG23/1 1000m	Orange
3322624042	F/FTP-CAT6A, AWG23/1 500m	Blue	3323624042	F/FTP-CAT6A, AWG23/1 1000m	Blue
3322724042	F/FTP-CAT6A, AWG23/1 500m	Red	3323724042	F/FTP-CAT6A, AWG23/1 1000m	Red
3322824042	F/FTP-CAT6A, AWG23/1 500m	Green	3323824042	F/FTP-CAT6A, AWG23/1 1000m	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	26	85	82	85	83	448
4.0	3.4	35	88	83	86	82	433
8.0	4.8	38	86	84	88	82	428
10.0	5.4	36	100	96	95	92	427
16.0	6.9	40	101	98	96	93	425
20.0	7.8	38	101	97	97	93	425
25.0	8.7	41	100	98	95	90	424
31.2	9.8	38	103	100	89	87	423
62.5	14.0	43	101	97	92	88	421
100.0	17.8	42	106	101	85	82	420
200.0	25.2	37	97	94	74	71	419
250.0	28.4	31	99	97	72	70	419
300.0	31.2	32	101	97	71	68	419
400.0	36.0	30	99	96	63	60	419
500.0	40.6	22	96	95	60	58	419

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