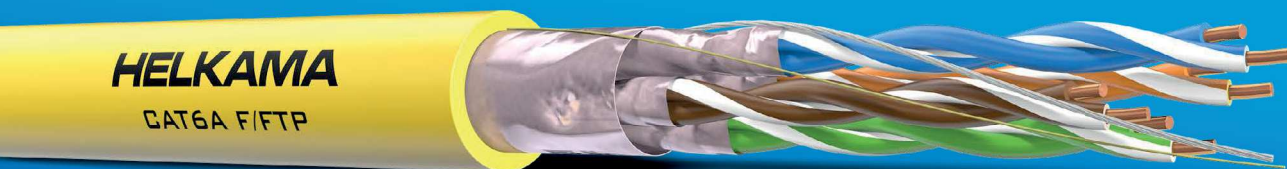


# CAT 6A

## F/FTP 4 PR AWG 23/1



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

### PHYSICAL PROPERTIES:

<b>RATED TEMPERATURE</b>	75 °C
<b>OPERATING TEMPERATURE RANGE</b>	-20 °C - 75 °C
<b>BENDING RADIUS</b>	Installation 8 x outer diameter
<b>MAX. RECOMMENDED PULLING TENSION</b>	80 N
<b>OUTER DIAMETER</b>	7.1±0.3 mm
<b>CABLE WEIGHT</b>	51 kg/km

### ELECTRICAL PROPERTIES:

<b>MAX. CONDUCTOR DC RESISTANCE</b>	93.8 Ω/km @20 °C
<b>CONDUCTOR LOOP RESISTANCE</b>	max. 19 Ω/100 m @20 °C
<b>NOM. MUTUAL CAPACITANCE</b>	≤5.6 nF/100 m @1 kHz
<b>CAPACITANCE UNBALANCE PAIR TO GROUND</b>	≤1600 pF/km @1 kHz
<b>MIN. INSULATION RESISTANCE</b>	5000 MΩ/m
<b>IMPEDANCE</b>	100±25 Ω @100 MHz
<b>FIRE PERFORMANCE</b>	IEC 60332-1-2, IEC 60332-3-22, Dca-s1a, d1, a1
<b>IDENTIFICATION</b>	Printed on the sheath: Manufacturer's name, Cable size and type, Fire performance, Lot number, Manufacturing date, Meter marking
<b>PACKAGING</b>	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