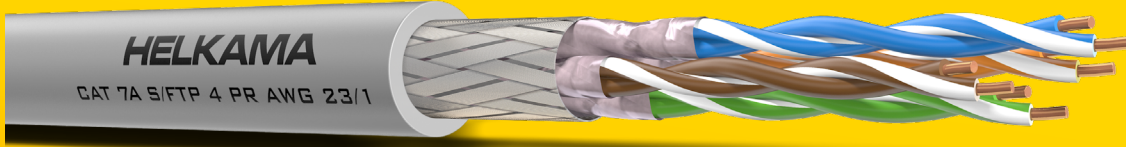


CAT 7A 1500

S/FTP 4 PR AWG 23/1

DATA CABLES



CONDUCTOR	Solid copper conductor 23 AWG/1
INSULATION	Foam PE
PAIR SHIELDING	Aluminium foil
SHIELDING	Tinned copper wire braid
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-5 & ISO/IEC 11801

APPLICATION

Aimed at media applications where transmission of up to 1500 MHz is required.

PHYSICAL PROPERTIES:

BENDING RADIUS (Installation)	8 x Ø
MAX. RECOMMENDED PULLING TENSION	110 N
NOMINAL OUTER Ø	8.3 ± 0.40 mm
CABLE WEIGHT	104 kg/km
CORE IDENTIFICATION	
Pair colours	1. White & Blue 2. White & Orange 3. White & Green 4. White & Brown
PACKAGING	500 m drum, 1000 m drum
MARINE TYPE APPROVALS	Pending DNV, LR, RINA

MAIN CHARACTERISTICS:

FIRE PERFORMANCE	IEC 60332-1 IEC 60332-3-24
MAX. CONDUCTOR DC RESISTANCE	95 ohm/km @20 °C
NOM. MUTUAL CAPACITANCE	5.6 nF/100m @1kHz
CAPACITANCE UNBALANCE PAIR TO GROUND	≤ 160 pF/km @1 kHz
MIN. INSULATION RESISTANCE	5000 Mohm x km
OPERATING TEMPERATURE RANGE	-20 - 75 °C fixed installation

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

© 09/2023 Helkama Bica Oy. All rights reserved.

HELKAMA
THE PERFECT CONNECTION

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



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

CAT 7A

S/FTP 4 PR AWG 23/1

ITEM NUMBERS:

Part number	Cable type	Colour	Standard length
3390124042	CAT 7A S/FTP AWG 23/1	Black	500 m
3391124042	CAT 7A S/FTP AWG 23/1	Black	1000 m
3390324042	CAT 7A S/FTP AWG 23/1	Grey	500 m
3391324042	CAT 7A S/FTP AWG 23/1	Grey	1000 m
3390224042	CAT 7A S/FTP AWG 23/1	Yellow	500 m
3391224042	CAT 7A S/FTP AWG 23/1	Yellow	1000 m
3390424042	CAT 7A S/FTP AWG 23/1	White	500 m
3391424042	CAT 7A S/FTP AWG 23/1	White	1000 m
3390524042	CAT 7A S/FTP AWG 23/1	Orange	500 m
3391524042	CAT 7A S/FTP AWG 23/1	Orange	1000 m
3390624042	CAT 7A S/FTP AWG 23/1	Blue	500 m
3391624042	CAT 7A S/FTP AWG 23/1	Blue	1000 m
3390724042	CAT 7A S/FTP AWG 23/1	Red	500 m
3391724042	CAT 7A S/FTP AWG 23/1	Red	1000 m
3390824042	CAT 7A S/FTP AWG 23/1	Green	500 m
3391824042	CAT 7A S/FTP AWG 23/1	Green	1000 m

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)
4	3.7	23	78	75	78	75	552
8	5.2	25	78	75	77	74	547
10	5.8	25	78	75	75	72	545
16	7.3	25	78	75	71	68	543
20	8.2	25	78	75	69	66	542
25	9.2	24	78	75	67	64	541
31	10.3	24	78	75	65	62	540
62.5	14.6	22	78	75	59	56	539
100	18.5	20	75	72	55	52	538
150	22.8	19	73	70	52	49	537
200	26.5	18	71	68	49	46	537
250	29.7	17	69	66	47	44	536
300	32.7	17	68	65	46	43	536
600	47.1	17	64	61	40	37	536
800	54.9	16	62	59	37	34	535
1000	61.9	15	60	57	35	32	535
1200	68.4	14	59	56	34	31	535
1500	77.2	13	58	55	32	29	535

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

© 09/2023 Helkama Bica Oy. All rights reserved.

HELKAMA
THE PERFECT CONNECTION

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



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