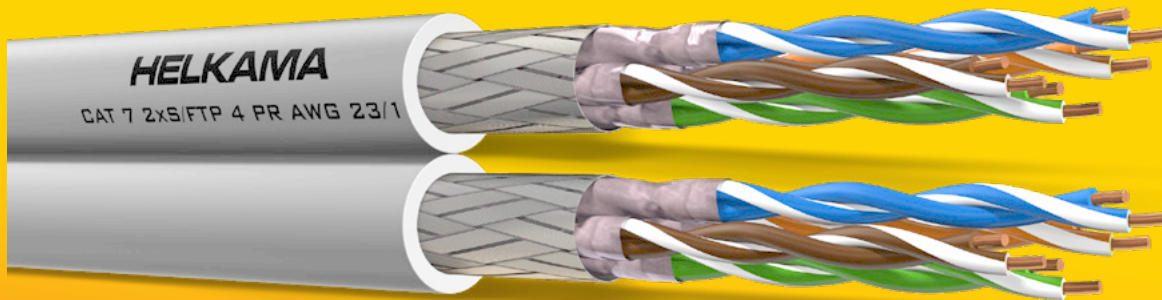


# CAT 7

## 2XS/FTP 4 PR AWG 23/1



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

### PHYSICAL PROPERTIES:

<b>BENDING RADIUS (Installation)</b>	8 x Ø
<b>MAX. RECOMMENDED PULLING TENSION</b>	80 N
<b>NOMINAL OUTER Ø</b>	7.1 ± 0.3 mm X 14.3 ± 1 mm
<b>CABLE WEIGHT</b>	132 kg/km
<b>CORE IDENTIFICATION Pair colours</b>	1. White/Blue stripe & Blue 2. White/Orange stripe & Orange 3. White/Green stripe & Green 4. White/Brown stripe & Brown
<b>PACKAGING</b>	500 m drum, 1000 m drum

### MAIN CHARACTERISTICS:

<b>FIRE PERFORMANCE</b>	Dca-s1a, d2, a1 IEC 60332-1-2 IEC 60332-3-22
<b>MAX. CONDUCTOR DC RESISTANCE</b>	95 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>RATED TEMPERATURE</b>	75 °C
<b>OPERATING TEMPERATURE RANGE</b>	-20 °C - 75 °C

## ITEM NUMBERS:

Part number	Cable type	Colour	Standard length m
3340124082	CAT 7 2xS/FTP AWG 23/1	Black	500 m
3340224082	CAT 7 2xS/FTP AWG 23/1	Yellow	500 m
3340324082	CAT 7 2xS/FTP AWG 23/1	Grey	500 m
3340424082	CAT 7 2xS/FTP AWG 23/1	White	500 m
3340524082	CAT 7 2xS/FTP AWG 23/1	Orange	500 m
3340624082	CAT 7 2xS/FTP AWG 23/1	Blue	500 m
3340724082	CAT 7 2xS/FTP AWG 23/1	Red	500 m
3340824082	CAT 7 2xS/FTP AWG 23/1	Green	500 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)
4.0	3.6	30	98	95	96	92	449
8.0	5.0	32	98	95	94	89	444
10.0	5.6	35	98	95	91	90	442
16.0	7.2	35	98	95	81	76	440
20.0	8.1	38	99	96	81	77	439
25.0	9.1	39	98	95	84	76	438
31.2	10.0	39	97	94	83	77	437
62.5	14.5	34	95	92	79	76	436
100.0	17.7	32	92	89	82	73	435
200.0	26.1	30	88	85	69	66	434
250.0	27.9	28	86	83	74	65	434
300.0	31.9	27	86	83	69	64	433
400.0	37.8	28	83	80	59	56	433
500.0	40.7	23	81	78	56	51	433
600.0	45.8	25	80	77	58	52	433

**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