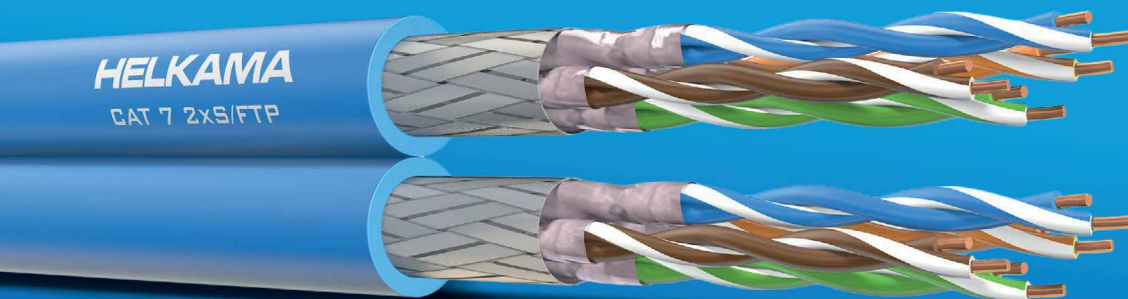


# CAT 7

## 2XS/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>	Tinned copper wire braid
<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>MIN. BENDING RADIUS (INSTALL)</b>	Installation 8 x outer diameter
<b>MAX. RECOMMENDED PULLING TENSION</b>	80 N
<b>OUTER DIAMETER</b>	7.1(±0.3)mm X 14.3(±1) mm
<b>CABLE WEIGHT</b>	132 kg/km

### ELECTRICAL PROPERTIES:

<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>FIRE PERFORMANCE</b>	Dca-s1a, d1, a1, IEC 60332-1-2, IEC 60332-3-22
<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 box, 1000 m drum

# CAT 7

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

### ITEM NUMBERS:

Part number	Item description	Colour
3340124082	2xS/FTP-CAT7, AWG23/1 500m	Black
3340224082	2xS/FTP-CAT7, AWG23/1 500m	Yellow
3340324082	2xS/FTP-CAT7, AWG23/1 500m	Grey
3340424082	2xS/FTP-CAT7, AWG23/1 500m	White
3340524082	2xS/FTP-CAT7, AWG23/1 500m	Orange
3340624082	2xS/FTP-CAT7, AWG23/1 500m	Blue
3340724082	2xS/FTP-CAT7, AWG23/1 500m	Red
3340824082	2xS/FTP-CAT7, AWG23/1 500m	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)
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