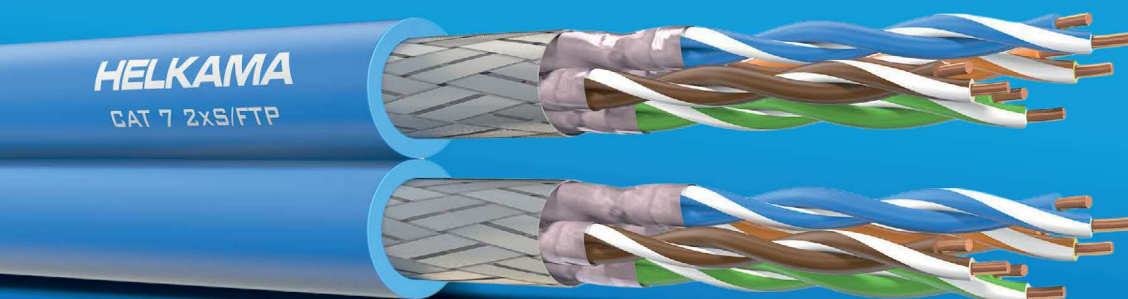


CAT 7

2XS/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	Tinned copper wire braid
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-5 ISO/IEC 11801

PHYSICAL PROPERTIES:

RATED TEMPERATURE	75°C
OPERATING TEMPERATURE RANGE	-20°C - 75°C
MIN. BENDING RADIUS (INSTALL)	Installation 8 x outer diameter
MAX. RECOMMENDED PULLING TENSION	80 N
OUTER DIAMETER	7.1(±0.3)mm X 14.3(±1) mm
CABLE WEIGHT	132 kg/km

ELECTRICAL PROPERTIES:

MAX. CONDUCTOR DC RESISTANCE	95 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	Dca-s1a, d1, a1, IEC 60332-1-2, IEC 60332-3-22
IDENTIFICATION	Printed on the sheath: Manufacturer's name, Cable size and type, Fire performance, Lot number, Manufacturing date, Meter marking
PACKAGING	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