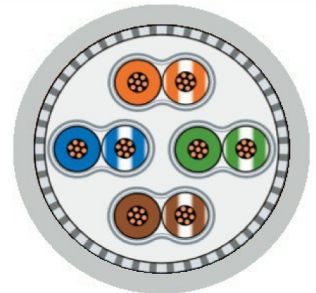


CAT 7 stranded

S/FTP 4PR AWG 24/7



CONDUCTOR	Stranded copper, 24 AWG/7
INSULATION	Foam PE
CONDUCTOR IDENTIFICATION	<ol style="list-style-type: none"> 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	Solid finned copper braid
SHEATH	LSZH
REFERENCE STANDARD	IEC 61156-5 ISO/IEC 11801

PHYSICAL PROPERTIES:

RATED TEMPERATURE	80 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C
MIN. BENDING RADIUS (INSTALL)	Installation 8 x diameter
MAX. RECOMMENDED PULLING TENSION	80 N
OUTER DIAMETER	7.6±0.3 mm
CABLE WEIGHT	61 kg/km

ELECTRICAL PROPERTIES:

MAX. CONDUCTOR DC RESISTANCE	145 Ω/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 29 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
REACTION TO FIRE IDENTIFICATION	IEC 60332-1 , IEC 60332-3-22 Printed on the sheath: Manufacturer's name, Cable size, Cable type, Reaction to fire, Lot number, Production month and year, Meter marking
PACKAGING	500 m, 1000 m drum

CAT 7 stranded

S/FTP 4PR AWG 24/7

ITEM NUMBERS:

Part number	Item description	Colour
65010018GRI	HELKAMA S/FTP-CAT7, 4PR, AWG24/7	Grey
65010018ZW	HELKAMA S/FTP-CAT7, 4PR, AWG24/7	Black

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	2.6	34	91	84	92	89	485
4.0	4.9	33	93	85	90	87	463
8.0	7.0	35	93	88	93	90	457
10.0	7.7	38	104	97	102	99	455
16.0	9.8	34	110	103	107	104	452
20.0	11.1	34	107	101	108	105	451
25.0	12.5	39	114	107	111	108	450
31.2	14.1	39	110	104	111	108	449
62.5	20.2	40	112	106	114	111	447
100.0	25.9	43	113	107	118	115	445
200.0	36.9	35	111	103	111	108	444
250.0	41.4	28	109	103	109	106	443
300.0	45.7	29	109	103	112	109	443
400.0	53.3	38	108	101	112	109	443
500.0	60.1	31	110	97	110	107	443
600.0	66.2	27	111	102	111	108	442

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