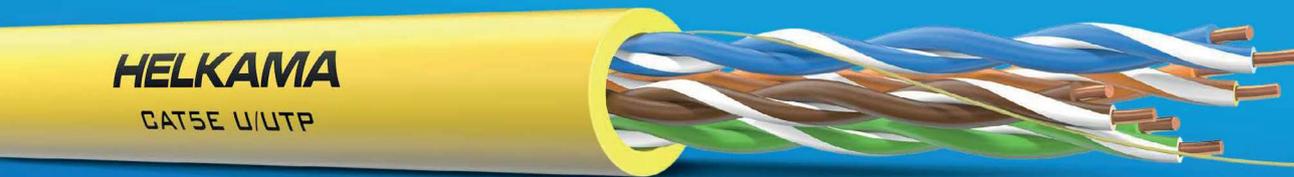


CAT 5E

U/UTP 4 PR AWG 24/1



CONDUCTOR	Solid bare copper, 24 AWG/1
INSULATION	Solid PE
CONDUCTOR IDENTIFICATION	1. White/Blue (Stripe) & Blue 2. White/Orange (Stripe) & Orange 3. White/Green (Stripe) & Green 4. White/Brown (Stripe) & Brown
SHEATH	LSZH
REFERENCE STANDARD	UL444, ANSI/TIA 568-C.2 & ISO/IEC 11801

PHYSICAL PROPERTIES:

RATED TEMPERATURE	75 °C
OPERATING TEMPERATURE RANGE	-20 °C - 75 °C
BENDING RADIUS	Installation 8 x diameter
MAX. RECOMMENDED PULLING TENSION	110 N
OUTER DIAMETER	5.2±0.3 mm
CABLE WEIGHT	31 kg/km

ELECTRICAL PROPERTIES:

MAX. CONDUCTOR DC RESISTANCE	93.8 Ω/km @20 °C
CONDUCTOR LOOP RESISTANCE	max. 19 Ω/100 m @20 °C
NOM. MUTUAL CAPACITANCE	nom. 5.0 nF/100 m
CAPACITANCE UNBALANCE PAIR TO GROUND	≤1600 pF/km @1 kHz
INSULATION RESISTANCE	max. 5000 MΩ x km
IMPEDANCE	100±25 Ω @100 MHz
FIRE PERFORMANCE	Dca-s1a, d2, a1
IDENTIFICATION	Printed on the sheath: Manufacturer's name, Cable size, Cable type, Reaction to fire, Lot number, Production month and year, Meter marking
PACKAGING	305 m box, 500 m drum

CAT 5E

U/UTP 4 PR AWG 24/1

ITEM NUMBERS:

Part number	Item description	Colour	Part number	Item description	Colour
3300123042	U/UTP-CAT5e, AWG24/1 305m BOX	Black	3301123042	U/UTP-CAT5e, AWG24/1 500m	Black
3300223042	U/UTP-CAT5e, AWG24/1 305m BOX	Yellow	3301223042	U/UTP-CAT5e, AWG24/1 500m	Yellow
3300323042	U/UTP-CAT5e, AWG24/1 305m BOX	Grey	3301323042	U/UTP-CAT5e, AWG24/1 500m	Grey
3300423042	U/UTP-CAT5e, AWG24/1 305m BOX	White	3301423042	U/UTP-CAT5e, AWG24/1 500m	White
3300523042	U/UTP-CAT5e, AWG24/1 305m BOX	Orange	3301523042	U/UTP-CAT5e, AWG24/1 500m	Orange
3300623042	U/UTP-CAT5e, AWG24/1 305m BOX	Blue	3301623042	U/UTP-CAT5e, AWG24/1 500m	Blue
3300723042	U/UTP-CAT5e, AWG24/1 305m BOX	Red	3301723042	U/UTP-CAT5e, AWG24/1 500m	Red
3300823042	U/UTP-CAT5e, AWG24/1 305m BOX	Green	3301823042	U/UTP-CAT5e, AWG24/1 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)
1.0	1.9	39	91	84	83	79	520
4.0	3.8	40	88	73	71	66	502
8.0	5.4	40	79	71	63	61	496
10.0	6.0	39	82	78	61	60	495
16.0	7.7	36	81	73	56	54	493
20.0	8.6	34	84	66	53	52	492
25.0	9.6	37	70	65	50	49	491
31.2	10.8	36	64	61	47	47	490
62.5	15.4	32	61	52	38	38	488
100.0	19.7	29	68	52	32	32	487

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