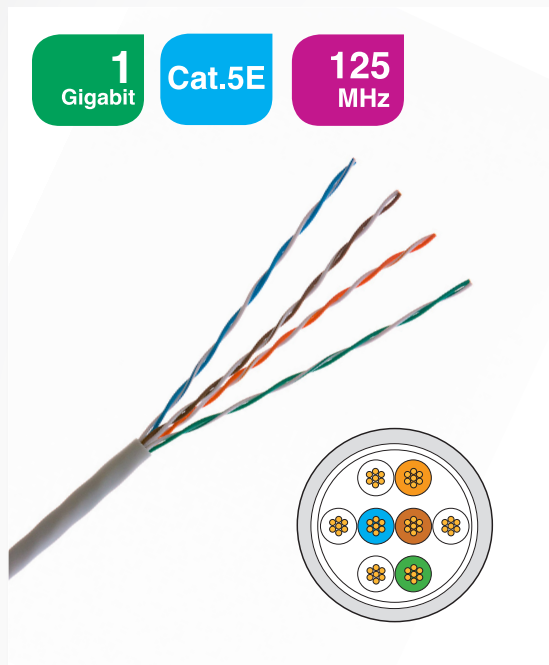


Patch cable for flexible links UTP (U/UTP), Cat.5E, 125 MHz

P/N: KE300U26-RLX

305 m in a box



1 Gigabit Cat.5E 125 MHz

features

- cable shielded with AL/PET foil, PVC sheath
- enables transmission of all high-speed protocols up to 1000BASE-T
- guarantees a bandwidth of 125 MHz
- enables RJ45 connectors to be mounted directly to the cable

application

- patch cables and flexible links
- tertiary (horizontal)
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- IEEE 802.5 16 MB; ISDN; FTDDI; ATM

construction

Conductor	stranded bare copper wire, Ø 0.48 mm (AWG26)
Insulation	polyethylene, Ø 0,9 mm
Twisting	2 cores to the pair
Screen	Al-laminated plastic foil, stranded drain wire AWG26 tinned
Cable lay up	4 pairs to the core
Sheath	LSOH, gray RAL 7035
Outer cable diameter	4,5 mm

mechanical properties

Min. bending radius	installation	≥ 18 mm
	operation	≥ 36 mm
Temperature range	installation	0 °C až +50 °C
	operation	-20 °C až +60 °C
Max. tensile load		55 N (5 kg)
Weight		25 kg / km

electrical properties at 20°C

Loop resistance	-	≤ 260 Ω/ km
Resistance unbalance	-	≤ 3%
Insulation resistance	(500V)	≥ 2000 MΩ x km
Capacity	at 800 Hz	nom. 48 nF/ km
Capacity unbalance	(pair/ground)	≤ 1500 pF/ km
Mean impedance	at 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation (NVP)	-	cca 67%
Propagation delay	Nominal	≤ 536 ns/100 m
Delay skew	Nominal	≤ 20 ns/100 m

Test voltage	(DC, 1 min) core/core; core/screen	1000 V
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transmission properties at 20°C

f (MHz)	tlmenie (dB/10m)	NEXT (dB)		PS-NEXT (dB)		ELFEXT (dB/100m)		PS-ELFEXT (dB/100m)		tlmenie odrazu (dB)
1,0	0,3	65	71	62	68	64	68	61	65	23
4,0	0,6	56	62	53	59	52	56	49	53	23
10,0	0,9	50	56	47	53	44	48	41	45	23
16,0	1,1	47	53	44	50	40	44	37	41	23
20,0	1,3	46	51	43	48	38	42	35	39	23
31,2	1,6	43	49	40	46	34	38	31	35	23
62,5	2,4	38	44	35	41	28	32	25	29	23
100,0	3,0	35	41	32	38	24	28	21	25	23
125,0	3,3		40		37		26		23	
155,5	3,6		38		35		24		21	
175,0	3,9		37		34		23		20	
200,0	4,1		36		33		22		19	
250,0	4,4		35		32		20		17	
300,0	4,8		34		31		16		13	

related products

P/N: MP-RJ45-8P8C	Connector RJ45/u, 8p8c, 50u Au
P/N: KE312231	Connector FM45, 1xRJ45/s