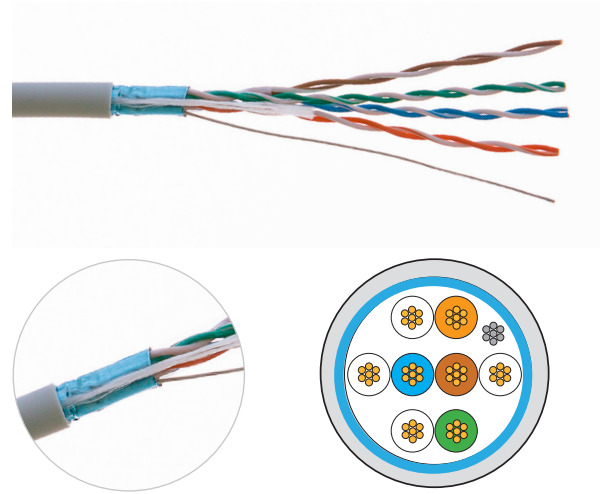


Cable for flexible links FTP (F/UTP), Category 5E, 125 MHz, LSOH

P/N: KE300S26-RLX

305 m in a box

1 Gigabit	Cat. 5E	125 MHz	LSOH
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Features

- cable shielded with AL/PET foil, LSOH 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
- complies with the requirements for fire prevention arrangements in buildings with higher concentration of people

Application

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

Construction

Conductor	stranded bare copper wire, AWG 26
Insulation	polyethylene, Ø 0,95 mm
Twisting	2 cores to the pair
Screen	stranded drain wire AWG 26 tinned
Cable lay up	4 pairs to the core
Sheath	LSOH, gray RAL 7035
Outer cable diameter	5,5 mm

Mechanical properties

Min. bending radius	installation	44 mm
	operation	22 mm
Temperature range	installation	0°C to +50°C
	operation	-20°C to +60°C
Max. tensile load		55 N (5,5 kg)
Weight (netto)		25 kg/km

Electrical properties at 20°C

Loop resistance	—	≤ 260 Ω/km
Resistance unbalance	—	≤ 3 %
Insulation resistance	(500 V)	≥ 2 000 MΩ x km
Capacity	at 800 Hz	nom. 48 nF/km
Capacity unbalance	(pair/ground)	≤ 1 500 pF/km
Characteristic impedance	at 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation (NVP)	—	ca. 67 %
Propagation delay	Nominal	≤ 536 ns/100 m
Delay skew	Nominal	≤ 20 ns/100 m
Test voltage	(DC, 1 min)	1 000 V
	core/core; core/screen	
Transfer impedance	at 1 MHz	≤ 50 mΩ/m
	at 10 MHz	≤ 100 mΩ/m
	at 30 MHz	≤ 200 mΩ/m
Coupling attenuation	—	≥ 50 dB

Transmission properties at 20°C

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