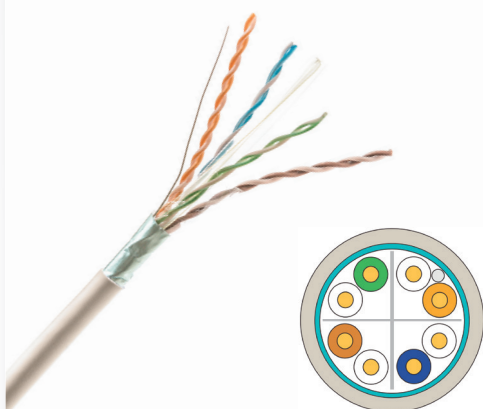


FTP (F/UTP) cable 4x2xAWG23, Category 6, 250 MHz, LSOH

P/N: KE400S23LSOH



features

- cable shielded with AL/PET foil, pairs separated by a cross filler, halogen-free sheath
- enables transmission of all high-speed protocols up to 1000BASE-T
- guarantees a bandwidth of 250 MHz
- tested up to 450 MHz
- complies with the requirements for fire prevention arrangements in buildings with higher concentration of people

application

- primary (Campus), secondary (Riser), tertiary (Horizontal)
- IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T
- IEEE 802.5 16 MB; ISDN; FDDI; ATM

construction

Conductor	bare copper wire, AWG 23
Insulation	foamskin polyethylene, Ø 1.1 mm
Twisting	2 cores to the pair
Screen	Al-laminated plastic foil
Cable lay up	4 pairs to the core
Sheath	LSOH
Outer cable diameter	7,4 mm

mechanical properties

Min. bending radius	installation	59,2 mm
	operation	29,6 mm
Temperature range	installation	0 °C to +50 °C
	operation	-20 °C to +60 °C
Max. tensile load	80 N (8 kg)	
Weight (netto)	42 kg / km	

electrical properties at 20°C

Loop resistance	-	≤ 190 Ω / km
Resistance unbalance	-	≤ 2%
Insulation resistance	(500V)	≥ 5000 MΩ x km
Capacity unbalance	(pair/ground)	160 pF / 100 m
Characteristic impedance	at 100 MHz	(100 ± 5) Ω
Nominal velocity of propagation (NVP)	-	66 %
Propagation delay	Nominal	≤ 450 ns / 100 m
Delay skew	Nominal	≤ 40 ns / 100 m
Test voltage	(DC, 1 min) core/core; core/screen	1000 V
Transfer impedance	at 10 MHz	≤ 40 mΩ / m
Coupling attenuation	-	≥ 55 dB

transmission properties at 20°C

f (MHz)	attenuation (dB/100m)		NEXT (dB)		PS-NEXT (dB)		ELFEXT (dB/100m)		PS-ELFEXT (dB/100m)		Return loss (dB)	
	norm.	typ.	norm.	typ.	norm.	typ.	norm.	typ.	norm.	typ.	norm.	typ.
4,0	3,8	3,6	65,3	71,0	63,3	68,0	58,0	73,0	55,0	70,0	23,0	27,0
10,0	6,0	5,7	59,3	65,0	57,3	62,0	50,0	65,0	47,0	62,0	25,0	27,0
20,0	8,5	8,3	54,8	61,0	52,8	58,0	44,0	59,0	41,0	56,0	25,0	27,0
62,5	15,5	14,8	47,4	53,0	45,4	50,0	34,1	49,0	31,1	46,0	21,5	25,8
100,0	19,9	19,0	44,3	50,0	42,3	47,0	30,0	45,0	27,0	42,0	21,1	25,0
250,0	33,0	31,0	38,3	44,0	36,3	41,0	22,0	37,0	19,0	34,0	17,3	22,0
300,0	-	34,0	-	43,0	-	40,0	-	35,0	-	32,0	-	22,0
450,0	-	43,0	-	40,0	-	37,0	-	32,0	-	29,0	-	21,0

related products

P/N: KEJ-C6-S-TL	Keystone Jack, Category 6, RJ45/s
P/N: 601140-UP + KEJ-C6-S-TL(2)	Modulo50 outlet, Category 6, 2xRJ45/s
P/N: 601120-UP + KEJ-C6-S-TL(2)	Modulo45 outlet, Category 6, 2xRJ45/s
P/N: KEP-C6-S-TL	Patch panel, Category 6, 24xRJ45/s
P/N: PC-C6-S-xxx	STP patch cable, Category 6, LSOH