



DK6000 data cable U/UTP Cat 6 Cca LSFH 23AWG

Category-6 and Cca Euroclass data cable, U/UTP type (Unfoiled), with copper conductor and LSFH sheath (Low Smoke Free of Halogen), white colour (RAL 9010). It is recommended for installations where network certification is required.

Ref.	212330
Logical ref.	CAT6L305WC
EAN13	8424450278017

Other features

Colour	White
Length	305.00 m

Packaging info

Box	305 m
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Physical data

Net weight	45.00 g
Gross weight	47.00 g
Width	6.00 mm
Height	100.00 mm
Depth	6.00 mm
Main product weight	45.00 g

Highlights

- U/UTP Unfoiled UTP Cable
- Solid copper inner conductor (23AWG)
- Compatible with PoE/PoE+ (Power over Ethernet) technology, allowing the cable to power network devices

- PE (Polyethylene) copper conductor insulation, 1.02mm diameter
- LSFH (Low Smoke Free of Halogen) outer sheath, 0.50mm thick and 6.2mm diameter
- 72% nominal speed
- Certified according to the applicable standards as defined in the available declarations of conformity and performance
- Tested and approved by the Intertek (ETL Verified Mark) laboratory according to the available certification

Discover

Category 6

Data cable category Cat 6 complies with the standard for Gigabit Ethernet and it is backwards compatible, with the standards of the inferior categories (Cat 5/5e and Cat 3). Category 6 evolves over category 5E, allowing to achieve transmission frequencies of up to 250 MHz (in each pair) and 1 Gbps of throughput. It includes characteristics and specifications to avoid crosstalk and noise. This type of data cable can be used in 10BASE-T, 100BASE-T and 1000BASE-T (Gigabit Ethernet) compliant systems.

Our category 6 cables are characterized:

- Comply with TIA/EIA-568B.2-1
- Crucifix type padding
- Transfer rate up to 1Gbps
- Frequency range of up to 250 MHz and up to 400MHz in some references
- Includes rip cord to make it easier to strip the cable
- Nominal impedance of 100 ohms
- Maximum resistance per conductor below 9.38 ohms/100m

Compatibility of RJ45 connectors with Televes data cables:

Reference	219602	219701	219901	219910	212201	2123	212302	212305	212310	212101	219302	219312	219313	219322
Female connectors	209901/209907	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209905	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209921/209925	OK	OK	OK	OK	OK	OK	OK	OK	X	X	OK	OK	X
	209926	OK	OK	OK	OK	OK	OK	OK	OK	X	X	OK	OK	X
	209903	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X
	209923	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK*	OK
	209929/209501	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK*	OK
Male connectors	209902	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209961/209962	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209904	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X
	209906	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209965/209966	OK	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X
	209922	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	X	X	OK	OK	X
	209924	OK*	OK*	OK	OK*	OK*	OK*	OK*	OK*	OK*	OK	OK*	OK*	OK

OK Compatible

OK* Compatible, but there are better choices

X Incompatible

** Mechanical compatibility

Mounting details

DETAIL VIEW OF THE DATA CABLE SECTION

- A. Inner conductor
- B. Inner conductor isolation
- C. Crucifix Filler
- D. Outer sheath
- E. Rip cord



Technical specifications : Ref. 212330

Model		DK6000												
Type		U/UTP												
Euroclass		Cca												
Euroclass: Smoke Production		s1a												
Euroclass: Flaming droplets		d1												
Euroclass: Acidity		a1												
Categorie		Cat 6												
Transmission bandwidth		250MHz												
Transfer rate		1Gbps												
Conductor Diameter	mm	0.54												
Conductor Material		Solid copper												
Conductor type AWG		23												
Conductor isolation Diameter	mm	0.99												
Conductor isolation Material		Polyethylene												
Crucifix filler		Yes												
Outer sheath Diameter	mm	6.1												
Outer sheath Material		LSFH												
Outer sheath Thickness	mm	0.6												
Rip cord		Yes												
Spark Test	Vac	3000												
Nominal impedance	Ω	100												
Conductor resistance	Ohm/100m	< 9.38												
Nominal speed	%	72												
Working voltage	V	300												
Operating temperature	$^{\circ}\text{C}$	-25 ... 70												
Frequencies		1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31.25 MHz	62.5 MHz	100 MHz	200 MHz	250 MHz	
Attenuation (max.)	dB/100m	2	3.8	5.3	6	7.6	8.5	9.5	10.7	15.4	19.8	29	32.8	
NEXT (min.)	dB/100m	74.3	65.3	60.8	59.3	56.2	54.8	53.3	51.9	47.4	44.3	39.8	38.3	
PS NEXT (min.)	dB/100m	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3	
ACR-N (min.)	dB/100m	72.3	61.5	55.5	53.3	48.6	46.3	43.8	41.2	32	24.5	10.8	5.5	
PS ACR-N (min.)	dB/100m	70.3	59.5	53.5	51.3	46.6	44.3	41.8	39.2	30	22.5	8.8	3.5	
ACR-F (min.)	dB/100m	678.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	21.8	19.8	
PS ACR-F (min.)	dB/100m	64.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	18.8	16.8	
Return losses (min.)	dB	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3	