

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

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

It achieves a bandwidth up to 400 MHz (higher than the 250 MHz specified by the standard).

Ref.	2123
Logical ref.	CAT6L305VD
EAN13	8424450140789

Other features

Colour	Violet
Length	305.00 m

Packaging info

Box	305 m
Pallet	7320 m

Physical data

Net weight	37.00 g
Gross weight	40.00 g
Width	6.00 mm
Height	1,000.00 mm
Depth	6.00 mm
Main product weight	37.00 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

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:

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

OK Compatible

OK* Compatible, but there are better choices

X Incompatible

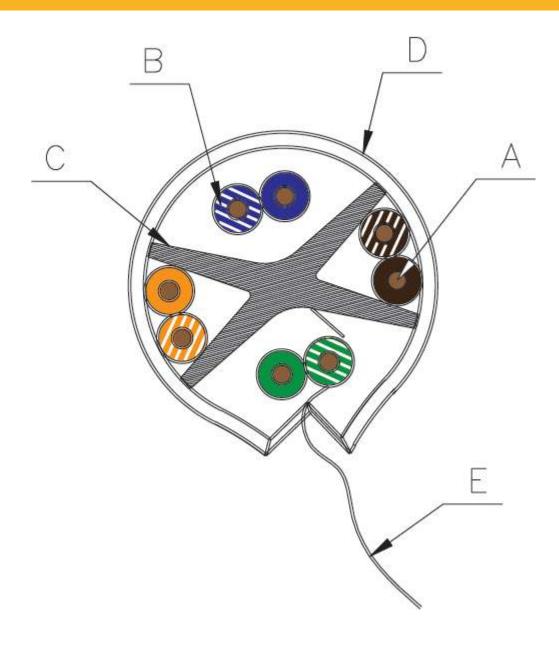
** Mechanical compatibility

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. 2123

Model								DK6	000						
Туре		U/UTP													
Euroclass		Dca													
Euroclass: Smoke Production		52													
Euroclass: Flaming droplets		d2													
Euroclass: Acidity			a1												
Categorie								Ca							
Transmission bandwidth								4001	ИHz						
Transfer rate			1Gbps												
Conductor Diameter	mm	0.55													
Conductor Material			Solid copper												
Conductor type AWG			23												
Conductor isolation Diameter	mm	1.02													
Conductor isolation Material		Polyethylene													
Crucifix filler			Yes												
Outer sheath Diameter	mm	6.2													
Outer sheath Material		LSFH													
Outer sheath Thickness	mm	0.5													
Rip cord		Yes													
Spark Test	Vac							30	00						
Nominal impedance	Ω							10	0						
Conductor resistance	Ω/100m							< 9	.38						
Nominal speed	%							7.	2						
Operating temperature	°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	300 MHz	400 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		
Attenuation (typ.)	dB/100m	1.7	3.5	5	5.6	7.1	8	8.9	10	14.4	18.3	26.2	29.4	32.8	37.7
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		
NEXT (typ.)	dB/100m	87.3	78.1	74.1	70.1	67.3	65.9	64.1	62.2	57.3	57	50.5	49.5	44	36.5
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		
PS NEXT (typ.)	dB/100m	84.9	76.2	71.2	67.7	64.8	64.1	62.9	60.5	56.1	52.1	46.5	45.3	41.2	35.6
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		
ACR-N (typ.)	dB/100m	85.5	74.4	69.1	64	59.9	57.9	55.3	52.2	43	36.1	22.7	19.2	11.2	-1.2
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		
PS ACR-N (typ.)	dB/100m	83.2	71.8	66.2	62	57.6	56.2	54.1	50.5	41.5	34.4	20.3	16	9	-1.7
ACR-F (min.)	dB/100m	67.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	21.8	19.8		
ACR-F (typ.)	dB/100m	78.1	66	60.9	58.7	54.3	52.5	50.4	49	41.6	38.6	30.5	28.6	23.9	22.3
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		
PS ACR-F (typ.)	dB/100m	74.7	63.2	58.1	56.2	52.9	50.4	48.4	46.5	40.3	35.8	28.6	26.8	20.5	16.5
Return losses (min.)	dB	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3		
Return losses	dB	25.6	26.6	29.3	29.8	31.9	32.3	32.1	32.5	31.6	27.7	24.8	23.1	21.8	19.3