

DK5000E data cable U/UTP Cat 5E Fca PE 24AWG

Category-5E and Fca Euroclass data cable, U/UTP type (Unfoiled), with copper conductor and PE sheath, black colour (RAL 9005).

Supplied in a 305m dispenser box.

Ref.	219701
Logical ref.	CAT5PE305B
EAN13	8424450169568

Other features

Colour	Black
Length	305.00 m

Packaging info

Box	305 m
Pallet	13725 m

Physical data

Net weight	26.00 g
Gross weight	26.00 g
Width	7.00 mm
Height	1,000.00 mm
Depth	7.00 mm
Main product weight	23.00 g

Highlights

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

- PE (Polyethylene) copper conductor insulation, 0.95mm diameter
- PE (Polyethylene) outer sheath, 0.60mm thick

Discover

Category 5E

The data cable category Cat 5E (enhanced or improved) originates from the Cat 5 and it is backwards compatible, with the standards of the inferior categories (Cat 5 and Cat 3). The 5E category achieves transmission frequencies of up to 100 MHz (in each pair) with a throughput of 100Mbps. This type of cable complies with the standards 10BASE-T and 100BASE-T and will be mainly used in these installations.

They are characterized for:

- Comply with TIA/EIA-568B.2-1
- Transfer rate up to 100Mbps
- Frequency range of up to 100MHz
- 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	219313	219322
	209901/209907	OK	OK	ОК	OK	OK	OK	OK	OK	OK	Х	Х	Х	Х	Х
	209905	OK	OK	ОК	OK	OK	OK	OK	OK	ОК	Х	Х	Х	Х	Х
	209921/209925	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	Х	Х	ОК	ОК	Х
Female connectors	209926	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	ОК	Х	Х	OK	ОК	Х
connectors	209903	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	ОК	Х	Х	Х	Х
	209923	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	ОК	ОК	OK*	OK*	ОК
	209929/209501	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	ОК	ОК	OK*	OK*	ОК

Ref	erence	219602	219701	219901	219910	212201	2123	212302	212305	212310	212101	219302	219312	219313	219322
	209902	ОК	ОК	ОК	ОК	ОК	OK	ОК	ОК	ОК	Х	Х	Х	Х	Х
	209961/209962	ОК	ОК	ОК	OK	OK	OK	OK	ОК	ОК	Х	Х	X	Х	Х
	209904	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	ОК	Х	Х	Х	Х
Male connectors	209906	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	ОК	Х	Х	Х	Х	Х
comiccions	209965/209966	ОК	ОК	ОК	ОК	OK	ОК	OK	ОК	ОК	Х	Х	Х	Х	Х
	209922	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	Х	Х	ОК	ОК	Х
	209924	OK*	OK*	ОК	OK*	OK*	OK*	OK*	OK*	OK*	OK*	ОК	OK*	OK*	ОК

OK Compatible

OK* Compatible, but there are better choices

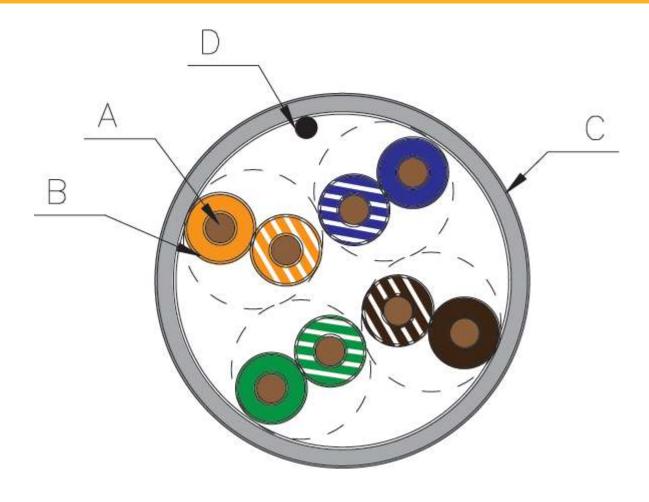
X Incompatible

** Mechanical compatibility

Mounting details

DETAIL VIEW OF THE DATA CABLE SECTION

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





Technical specifications: Ref. 219701

Model						DK5	000E					
Туре			U/UTP									
Euroclass			Fca									
Categorie			Cat 5E									
Transmission bandwidth			100MHz									
Transfer rate						100	Mbps					
Conductor Diameter	mm					0	.5					
Conductor Material						Electrolyt	ic copper					
Conductor type AWG							4					
Conductor isolation Diameter	mm					0.	95					
Conductor isolation Material			Polyethylene									
Crucifix filler							lo					
Outer sheath Diameter	mm		5.5									
Outer sheath Material			PE PE									
Outer sheath Thickness	mm		0.6									
Rip cord						Y	es					
Spark Test	Vac					30	00					
Nominal impedance	Ω					10	00					
Conductor resistance	Ohm/100					< 9	9.38					
	m											
Nominal speed	%					6	9					
Working voltage	V					30	00					
Operating temperature	°C					-40	80					
Frequencies		1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31.25 MHz	62.5 MHz	100 MHz	
Attenuation (max.)	dB/100m	2	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	
NEXT (min.)	dB/100m	65.3	56.3	51.8	50.3	47.2	45.8	44.3	42.9	38.4	35.3	
PS NEXT (min.)	dB/100m	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3	
ACR-N (min.)	dB/100m	63.3	52.2	46	43.8	39	36.5	33.9	31.2	21.4	13.3	
PS ACR-N (min.)	dB/100m	60.3	49.2	43	40.8	36	33.5	30.9	28.2	18.4	10.3	
ACR-F (min.)	dB/100m	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8	
PS ACR-F (min.)	dB/100m	60.8	48.8	42.7	40.8	36.7	34.8	32.8	30.9	24.9	20.8	
Return losses (min.)	dB	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	