



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

Packing

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:

Reference	219602	219701	219910	212201	2123	212302	212305	212310	212101	219302	219312	219322	219102	212330
Female connectors	209901/209907	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209905	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209921/209925	OK	OK	OK	OK	OK	OK	OK	X	X	OK	X	X	OK
	209903	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X	OK*
	209923	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK	**	OK*
	209501	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK	OK	OK*	OK	**	OK*

Reference	219602	219701	219910	212201	2123	212302	212305	212310	212101	219302	219312	219322	219102	212330
Male connectors	209902	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209961/209962	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209904	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK	X	X	X	X	OK*
	209906	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209965/209966	OK	OK	OK	OK	OK	OK	OK	X	X	X	X	X	OK
	209922	OK*	OK*	OK*	OK*	OK*	OK*	OK*	X	X	OK	X	X	OK*
	209924	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK*	OK	OK*	OK	**	OK*

OK Compatible

OK* Compatible, but there are better choices

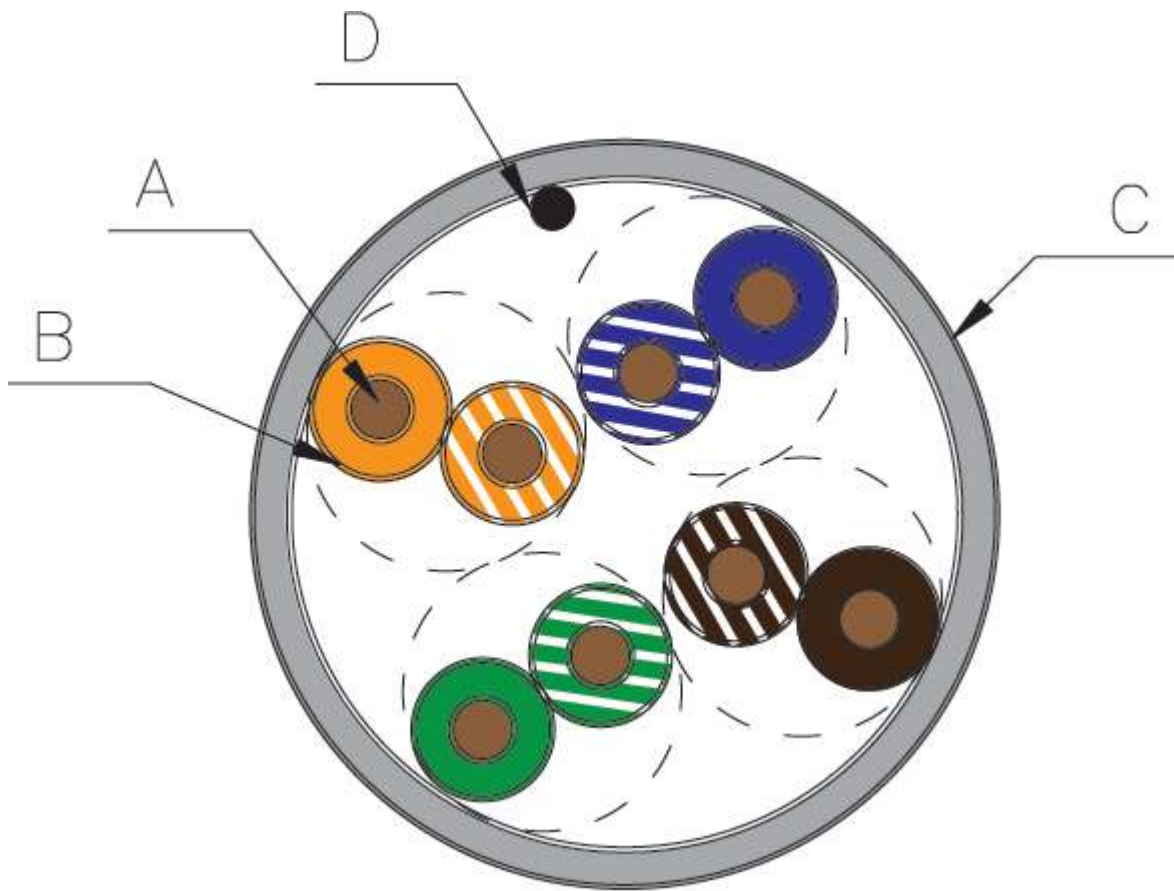
X Incompatible

** Mechanical compatibility

Mounting details

DETAIL VIEW OF THE DATA CABLE SECTION

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



Technical specifications : Ref. 219701

Type		U/UTP									
Euroclass		Fca									
Categorie		Cat 5E									
Transmission bandwidth		100MHz									
Transfer rate		100Mbps									
Conductor Diameter	mm	0.5									
Conductor Material		Electrolytic copper									
Conductor type AWG		24									
Conductor isolation Diameter	mm	0.95									
Conductor isolation Material		Polyethylene									
Crucifix filler		No									
Outer sheath Diameter	mm	5.5									
Outer sheath Material		PE									
Outer sheath Thickness	mm	0.6									
Rip cord		Yes									
Spark Test	Vac	3000									
Nominal impedance	Ω	100									
Conductor resistance	$\Omega/100m$	< 9.38									
Nominal speed	%	69									
Operating temperature	$^{\circ}C$	-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