

U/UTP cat. 5e 4x2x24AWG ALANTEC Copper cable, warranty 25 years, verify by INTERTEK (USA)

Part no.: **KIU5PVC305**
Manufacture: **ALANTEC**
EAN code: **5901738551336**

Version: **20190424**
Lang.: **EN**



Description

Category 5e U/UTP Cables are manufactured, tested and verified to the ISO/IEC 11801 2nd Edition, EN 50173:2007 and ANSI/TIA/EIA-568-B.2 standards for enhanced performance Category 5e cables. All parameters have been verified by INTERTEK.

Each cable consists of 8 colour coded polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs, together with a strong nylon rip cord are jacketed in a heat resistant PVC material. The printing detail on the sheath, includes the cables part number, specification details and a unique 305 metre marking within each box supplied, allowing for quick and easy measurement of cable installed and the amount remaining within the box. A choice of jacket colour enables departmental or application identification where necessary.

CONSTRUCTION AND ELECTRICAL

Category:	5e
Class:	D (100MHz)
Twisted element:	4x2x24AWG
Conductor:	100% Cu - bare copper wire AWG 24/1
Insulation:	polyethylene
Fire euroclass:	Eca
Screen:	No
Jacket:	These pairs, together with a strong nylon rip cord are jacketed in a heat resistant PVC material (FRPVC)
PoE:	802.3 af
Color:	Light gray

ELECTRICAL PROPERTIES at 20°C

Conductor DC Resistance:	$\leq 95 \Omega / \text{km}$
Changing resistance:	$\leq 2\%$
Insulation resistance (500V):	$\geq 5000 \text{ M}\Omega \cdot \text{km}$
Mutual Capacitance at 800 Hz	nom. 48 nF/km
Changing capacitance passive resistance	$\leq 1500 \text{ pF/km}$
Characteristic impedance (1-100MHz)	$(100 \pm 15) \Omega$
Nominal Velocity of Propagation (NVP):	69%
Delay spread	Nominal $\leq 535 \text{ ns/100m}$
Angle spread	Nominal $\leq 20 \text{ ns/100m}$

Tester installation DC, 1 min.:	1000 V
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MECHANICAL PROPERTIES

Bend Radius:	4 x overall diameter
Max. pulling force:	80 N
Temperature range - work:	-30°C do + 50°C
Temperature range - instalation:	0°C do + 50°C
Outer diameter:	4,8 mm
Weight / km	30 kg
Packing	box (305m)

Gallery / Certificates



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Standards

- EIA/TIA-568-C.2
- ISO 11801 2nd
- EN 50173 2nd
- EN 50288-3-1
- ISO/IEC 61156-5
- IEC 60332-1
- RoHS II 2011/65/UE
- EN 50575:2014+A1:2016
- EN 13501-6:2014
- EN 60332-1-2:2004+A1:2015