

LAN, Twisted Pair Cable U/UTP cat.5e, PVC, Eca 4PR, 1Gb/s, warranty 10 years, grey, 305m - Q-LANTEC

Part no.: KIU5PVC305Q
Manufacture: Q-LANTEC
EAN code: 5901738551350

Version: **20260806**
Lang.: **EN**



Description

Q-LANTEC data communication cable is made of solid copper, without the addition of other metals. In production, we do not use any additives that mimic compliance with the requirements of industry standards. Transmission parameters meet the requirements of category 5e to the full extent. The cable is dedicated for LAN and IP CCTV video surveillance applications, supports PoE requirements. Cables of this type are designed for indoor horizontal and vertical installations. All Q-LANTEC cables remain compliant with the CPR directive on the classification of construction products for fire resistance and defining test methods for cables intended for installation in buildings.

The product is covered by a 10-year system warranty.

Technical Specifications

CONSTRUCTION AND ELECTRICAL PARAMETERS

Category	5e
Class	D
Conductors	single stranded copper 0.47mm (100% Cu)
Insulation	polyethylene
Fire classification CPR (Euroclass)	Eca
Center	4 twisted pairs
Shield	none
Coating	polyvinyl with improved oxygen index (FRPVC)
PoE	IEEE 802.3at
Color	light gray

ELECTRICAL PROPERTIES at 20°C

DC resistance loop	$\leq 95 \Omega / \text{km}$
Alternating resistance	$\leq 2\%$
Insulation resistance (500V)	$\geq 5000 \text{ M}\Omega \cdot \text{km}$
Capacitive reactive resistance at 800 Hz	nom. 48 nF/km
Variable reactive capacitive resistance	$\leq 1500 \text{ pF/km}$

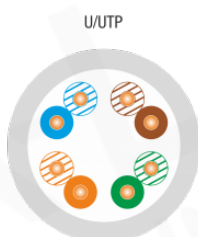
ELECTRICAL PROPERTIES at 20°C

Characteristic apparent resistance (1-100MHz)	$(100 \pm 15) \Omega$
Nominal velocity of propagation (NVP)	69%.
Delayed propagation	Nominally ≤ 535 ns/100m
Delay angle	Nominally ≤ 20 ns/100m
DC system tester, 1 min (core)	1000 V

MECHANICAL PROPERTIES

Bending radius	4 x outer $\varnothing$
Max. pulling force	80 N
Temperature range during use	-30°C to + 50°C
Temperature range during installation	0°C to + 50°C
Outer diameter	4.8 mm
Weight kg/km	27 kg
Packing	carton (305m)

Gallery / Certificates



Standards

- PN-EN 50173
- ISO/IEC 11801

Rozszerzona karta produktu



Zaskanuj QRCode aby otworzyć /
pobrać rozszerzoną kartę produktu.