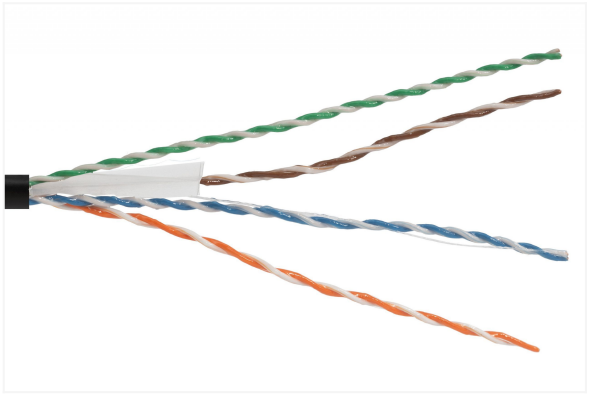
securityNET

SEC6UTPG | 250MHz | 500m | Fca | PE

securityNET U/UTP Category 6 PE outdoor gel-filled cable 500m



The securityNET Category 6 U/UTP installation twisted-pair cable is a four-pair data transmission cable designed for outdoor telecommunications and structured cabling installations. It is intended for connecting network devices such as computers, routers, switches, and IP CCTV cameras.

Solid copper conductors ensure stable data transmission and compliance with Category 6 requirements, including Power over Ethernet (PoE) applications. The cable is commonly used in outdoor LAN networks and IP surveillance systems in environments not exposed to significant electromagnetic interference.
The cable complies with the requirements of the ISO/IEC 11801, EN 50173, and EIA/TIA 568-C.2 standards.

Technical specifications

securityNET U/UTP Category 6 PE outdoor gel-filled cable 500m

Outer diameter	7,1
Category/class	6 (E class)
Shielding	U/UTP
Copper conductor thickness/AWG	AWG23
Wires	solid wire
Conductors	copper
Conductor insulation	HDPE 1,12mm
Coating thickness	0,6mm
Outer sheath	PE
CPR class	Fca
Cable construction	4x2

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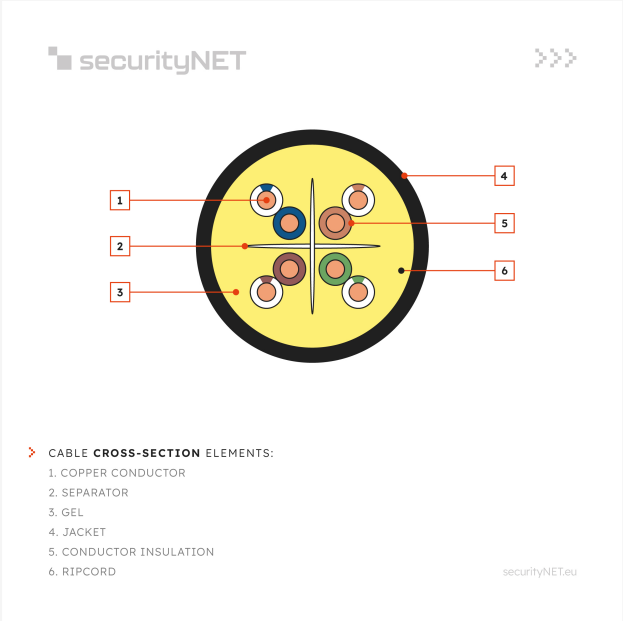
Bend radius at installation	57mm
Impedance	100Ω
Delay Skew	≤45
Nominal propagation velocity (NVP)	65%
Linear Resistance (max.)	9,5 (Ω/100m)
Pair separator	yes
Operating temperature	from -30°C to 60°C
Installation temperature	from -10°C to 70°C
Quantity per package	500m
Insulation color	RAL 9005
RoHS	yes



Polyethylene jacket for outdoor installation

The PE (polyethylene) sheath has been designed for cable installations in outdoor conditions, such as exposure to UV radiation, low and high temperatures, and increased humidity. Kable securityNET w charakterystyczny, czarnym kolorze są bardziej odporne na uszkodzenia mechaniczne w porównaniu ze standardowymi kablami instalacyjnymi. Wypełnienie żelem świadczy o tym, że kabel jest przystosowany do instalacji w ziemi. EN

A dependable network you can trust

The securityNET twisted pair cable is made of the highest quality copper, making it the optimal choice for building connections designed to last for years. It has undergone rigorous strength tests over a 90-meter length using a Fluke Networks DSX-8000 meter. Therefore, if you are seeking materials with exceptional durability, this is an excellent option.