

# Essential-6+ Cable

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Construction U/UTP Compliancy with the latest Cat6 standards In accordance with the latest Cat.6 standards Application Class E, bandwidth up to 250 MHz Cable without crossfiler

## DESCRIPTION

The Nexans Essential-6+ cable line is the 250MHz bandwidth offer for Class E applications up to 1Gbits. Nexans ESSENTIAL CAT.6+ U/UTP cables are designed for horizontal and vertical applications in structured cabling networks to connect the user outlet to the administration panel or to interconnect administration panels. Their application is focused on current Gigabit Ethernet data networks.

## APPLICATION

- FAST ETHERNET 100BASE-TX
- GIGABIT ETHERNET 1000BASE-T
- TOKEN RING (100 Mbps)
- ATM LAN (155 Mbps)
- TP-PMD (100 Mbps)
- ISDN
- POE - POWER OVER ETHERNET
- POE+ - POWER OVER ETHERNET PLUS
- ANALOGUE AND DIGITAL COMMUNICATION FOR VIDEO AND VOICE

## CONSTRUCTION

- U/UTP-type 4-wire twisted pair cable composed of solid bare copper conductors, 23 AWG, insulated in high density thermoplastic polyethylene.
- External flame retardant jacket in PVC options CM and LSZH.
- 23AWG.
- Cable without crossfiler.
- Available in Grey and Blue (other colours on request).
- Comply with the pattern of colours Blue / Light Blue, Orange / White, Green / Light Green, Brown / Light Brown, as regards the insulation of pairs.

## INSTALLATION

**Environment:** Inside- non-agressive.

## APPLICABLE STANDARDS

### International:

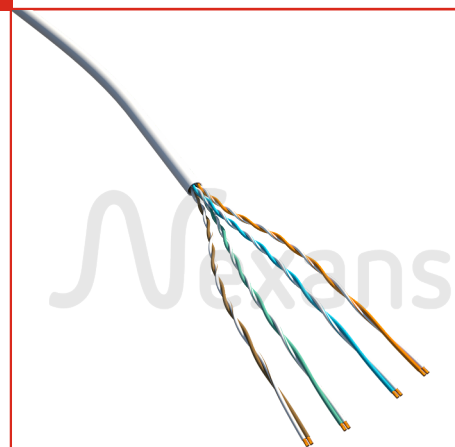
- Directive RoHS

The product complies with the RoHS Directive restricting the use of heavy metals in the manufacture of products and preservation of the environment.

### National:

- ABNT NBR 14565
- ABNT NBR 14703
- ABNT NBR 14705

## CERTIFICATION



## STANDARDS

**International** IEC 61156-5; ISO/IEC 11801

**National** ANSI/TIA-568.2-D

- UL Listed
- ANATEL

## PACKAGING

- Box (305m)

## CABLE LABEL

NEXANS ESSENTIAL 6+ CABLE CATEGORY 6+ U/UTP 23AWG 4 PARES x RoHS  
COMPLIANT 75C ANSI/TIA 568.2-D "SEMANA/ANO" "1 a 305 m" yyyyyy-yyyyyy

x: CM | LSZH

yyyyy-yyyyyyy: CM : 02081-11-05519

yyyyy-yyyyyyy: LSZH : 02088-11-05519

## WARRANTY

- 02 years (Consult the 25-year extended warranty programme).

## CHARACTERISTICS

### Usage characteristics

Length	305 m
Installation type	Indoor

## PRODUCT LIST

	Nexans Ref.	Country Ref.	Name	Outer sheath	Colour
☎	N100.962x30	-	ESS 6+ CAT6 U/UTP CM 4P 23AWG AZC 305	PVC - CM	Blue
📦	N100.964730	N100.964730	ESS 6+ CAT6 U/UTP LSZH 4P 23AWG CZ 305	LSZH	Grey
☎	N100.962730	17771	ESS 6+ CAT6 U/UTP CM 4P 23AWG CZC 305	PVC - CM	Grey

☎ = Make to order, 📦 = In stock,