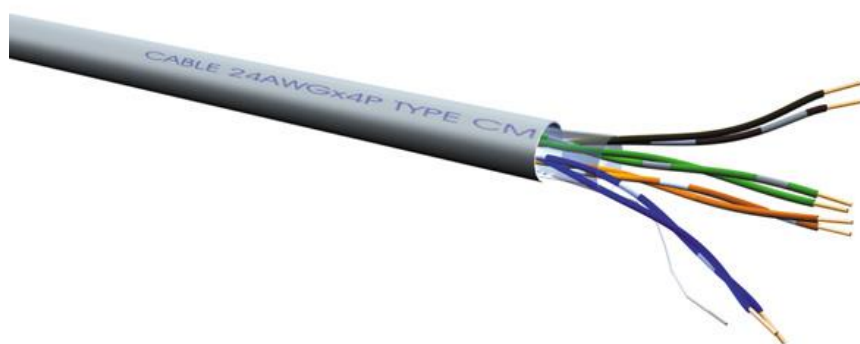




Datenblatt - Fiche technique - Data sheet

**21.15.0520**



ROLINE UTP Kabel Kat. 5e, Litze, 300m

ROLINE Câble UTP Cat. 5e, fils tressés, 300m

ROLINE UTP Cable Cat.5e, Stranded Wire, 300 m

# Category 5e UTP Patch Cable, 24AWGx4P, PVC

## Product Specification

### FEATURES:

All Category 5e Requirements as Per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards:

ANSI/TIA/EIA 568-B.2 Cat.5e

2<sup>nd</sup> Edition ISO/IEC 11801 Class D

CENELEC EN 50173-1

IEC 61156-6,2nd Edition CENELEC EN 50288-3-2 for Patch Cable

Flame Retardancy is Verified According to IEC 60332-1-2.

We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC.

### CONSTRUCTION & CHARACTERISTICS:

Conductor	Material / Size	Bare Copper / 24 AWG
	Construction	7/0.196 ± 0.01 mm
Insulation	Material	HDPE
	Thickness	Average: 0.186 mm Min. at any point: 0.128 mm
	Diameter	0.96±0.06 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Elongation	Min. 300%
	Tensile Strength	Min. 1.683 Kg/mm <sup>2</sup>
Sheath	Material	PVC
	Thickness	Average: 0.50 mm
		Min at any point 0.45
	Diameter	5.6±0.3 mm
	Elongation	Min. 100%
	Tensile Strength	Min. 1.407 Kg/mm <sup>2</sup>
	Aging at 100 for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
	Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.
Marking	roline UTP CAT.5E PATCH ISO/IEC 11801 & EN50288 & TIA/EIA-568-B.2 24AWGX4P TYPE CM (UL) C(UL) CMH E164469 XXXXXM	

# Category 5e UTP Patch Cable, 24AWGx4P, PVC

## APPROVAL:

- UL/cUL Listed & 3P Certified ANSI/TIA/EIA -568-B.2 Category 5e testing performance requirements.

## APPLICATIONS:

- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550MHz Broadband Video
- Voice, T1, ISDN

## ELECTRIC PERFORMANCES:

Spark Test		2000 ± 250 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MO/Km		
Conductor Resistance		Max.9.38O/100m at 20		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	722kHz	102O ± 15%		
	1~125MHz	100O ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M at 20? ), Max	NEXT (dB), Min	Power Sum (dB),Min
	722kHz	--	67*	64*
	1MHz	--	65*	62*
	4 MHz	4.9*	56*	53*
	8 MHz	7.0*	51*	48*
	10 MHz	7.8*	50*	47*
	16 MHz	9.8*	47*	44*
	20 MHz	11.1*	45*	42*
	25 MHz	12.5*	44*	41*
	31.25 MHz	14.0*	42*	39*
	62.5 MHz	20.4*	38*	35*
	100 MHz	26.4*	35*	32*
125 MHz	30.0*	34*	31*	

# Category 5e UTP Patch Cable, 24AWGx4P, PVC

The asterisked (\*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

$$\text{NEXT}(f \text{ MHZ}) \geq \text{NEXT}(0.772) - 15 \text{LOG}_{10}(f \text{ MHZ}/0.772)$$

## CONFIGURATION:

orange 2	green 3
white/orange	white/green
blue 1	brown 4
white/blue	white/brown

