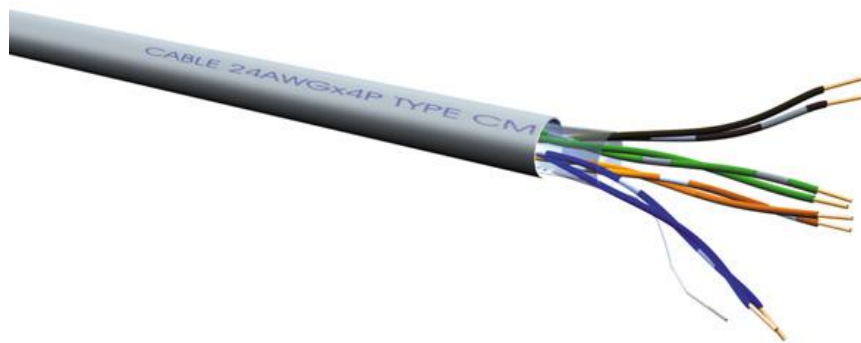




Datenblatt - Fiche technique - Data sheet

21.15.0511



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

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

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

Category 5e UTP Horizontal Cable, 24AWG×4P, PVC

Part NO. 21.15.0511, 21.15.0512

Product Specification

STANDARD COMPLIANCES:

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

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

ISO/IEC 2nd Edition 11801 Class D

CENELEC EN 50173-1, IEC 61156-5, CENELEC EN 50288-3-1 for horizontal cable

Flame Retardancy is Verified According to IEC 60332-1

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

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material / Size	Bare Copper / 24 AWG
Insulation	Material	HDPE
	Thickness	Normal Avg.: 0.201 mm
	Diameter	Normal : 0.91 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Elongation	Min. 300 %
	Tensile Strength	Min. 1.682 Kg/mm ²
Sheath	Material	PVC
	Thickness	Average: 0.5 mm
	Diameter	5.2±0.3 mm
	Color	Assorted upon request
	Elongation	Min. 100%
	Tensile Strength	Min. 1.407 Kg/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking	YFC CAT.5 UTP INSTALLATION CABLE ETL VERIFIED to TIA/EIA-568-A - ISO/IEC 11801 & EN 50173 3P VERIFIED 24AWGx4P TYPE CM (UL) c(UL) E164469-F3 [XXXXXXM] or as customer request.	
	Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.

Category 5e UTP Horizontal Cable, 24AWG×4P, PVC

Part NO. 21.15.0511, 21.15.0512

APPROVALS:				
<ul style="list-style-type: none"> ➤ UL/cUL Listed ➤ ETL /3P Certified ANSI/TIA/EIA-568-B.2 Category 5e testing safety/performance requirements. 				
APPLICATIONS:				
<ul style="list-style-type: none"> ➤ 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 				
ELECTRICAL PERFORMANCES:				
Spark Test		2000 ± 250 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max.9.38Ω/100m at 20℃		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	722kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M),Max	Next (dB), Min	Power Sum (dB), Min
	772kHz	--	67.0*	64.0*
	1MHz	--	65.0*	62.0*
	4MHz	4.1*	56.0*	53.0*
	8MHz	5.8*	51.0*	48.0*
	10MHz	6.5*	50.0*	47.0*
	16MHz	8.2*	47.0*	44.0*
	20MHz	9.3*	45.0*	42.0*
	25MHz	10.4*	44.0*	41.0*
	31.25MHz	11.7*	42.0*	39.0*
	62.5MHz	17.0*	38.0*	35.0*
	100MHz	22.0*	35.0*	32.0*
	125MHz	25.0*	34.0*	31.0*

Category 5e UTP Horizontal Cable, 24AWG×4P, PVC

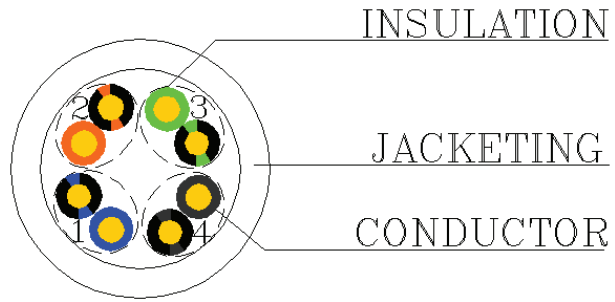
Part NO. 21.15.0511, 21.15.0512

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
<hr/>	
blue 1	brown 4
white/blue	white/brown



ORDERING INFORMATION:

Part NO. 21.15.0511

Description. Category 5E UTP Horizontal Cable, 24AWG×4P, PVC(300m)

Part NO. 21.15.0512

Description. Category 5E UTP Horizontal Cable, 24AWG×4P, PVC(100m)

Others: Available on Requests .

*Although Rotronic has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.