

Roline

Datenblatt - Fiche technique - Data sheet

21.15.0010



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

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

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

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

Part NO.21.15.0009, 21.15.0010

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,CENELEC EN 50288-2-1,IEC 61156-5 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	FOAM-SKIN PE
	Thickness	Normal Avg.: 0.269 mm
	Diameter	Normal : 1.055 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Elongation	Min. 150 %
	Tensile Strength	Min. 0.51 Kg/mm ²
Shield ^r	Al-Mylar Type	Al-Mylar type insulation on outside surface
Drain wire	Material	Tinned Copper
	Size	Comply with international standard
Sheath	Material	PVC
	Thickness	Average: 0.50 mm
	Diameter	6.1 ± 0.3 mm
	Color	Assorted upon request
	Elongation Min.	100%
	Tensile Strength	Min. 1.407 Kg/mm ²
Aging at 100ø for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%	
Marking	YFC CAT.5E FTP INSTALLATION CABLE 3P VERIFIED to ISO/IEC 11801 ED.2 & TIA/EIA-568-B.2 & EN 50288-2-1 & IEC 60332-1 24AWGx4P TYPE CM (UL) c(UL) E164469-F3 [XXXXXXXXM]	
	or as customer request.	

Rev. Date: 2008-12-12

Version: A/2

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Flame Test	Burning five times, every time is less than 60 second and paper flag can't be burned.			
APPROVALS:				
<input type="checkbox"/> UL/cUL Listed <input type="checkbox"/> 3P Certified ANSI/TIA/EIA-568-B.2 Category 5E Testing Performance Requirements.				
APPLICATIONS:				
<input type="checkbox"/> 1000BASE-T Gigabit Ethernet <input type="checkbox"/> 10BASE-T, 100BASE-Tx Fast Ethernet (IEEE 802.3) <input type="checkbox"/> 100 VG - AnyLAN(IEEE802.12), 155 Mbps ATM <input type="checkbox"/> 550 MHz Broadband Video <input type="checkbox"/> Voice, T1, ISDN				
ELECTRICAL PERFORMANCE:				
Spark Test		850 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 M Ω /Km		
Conductor Resistance		Max.9.38 Ω /100m at 20 \pm 1		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	722 kHz	102 \pm 15%		
	1~125 MHz	100 \pm 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Insertion Loss (dB/100M).Max	Next (dB).Min	PS NEXT (dB).Min
	722 kHz	--	67.0* 64.0	*
	1 MHz	--	65.0* 62.0	*
	4 MHz	4.1* 56.0	* 53.0	*
	8 MHz	5.8* 51.0	* 48.0	*
	10 MHz	6.5* 50.0	* 47.0	*
	16 MHz	8.2* 47.0	* 44.0	*
	20 MHz	9.3* 45.0	* 42.0	*
	25 MHz	10.4* 44.0	* 41.0	*
31.25 MHz	11.7* 42.0	* 39.0	*	

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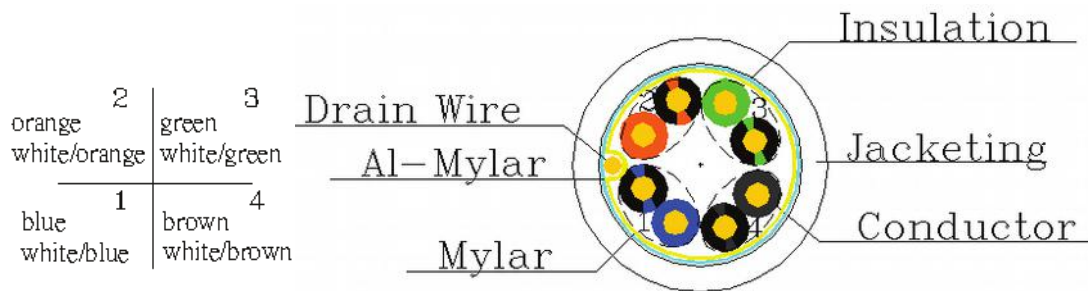
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	62.5 MHz	17.0* 38.0	* 35.0	*
	100 MHz	22.0* 35.0	* 32.0	*
	125 MHz	25.0* 34.0	* 31.0	*

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-

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

DRAWING:



ORDERING INFORMATION:

Part NO. 21.15.0009

Description. Category 5e FTP Horizontal Cable,24AWG×4P(100m)

Part NO. 21.15.0010

Description. Category 5e FTP Horizontal Cable,24AWG×4P(300m)

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.