DYNAMIX™
CERTIFIED CABLING SYSTEM

Category 6 UTP Horizontal Cable 23AWG×4P, PVC

PRODUCT SPECIFICATION

STANDARD COMPLIANCES:

All Proposed Category 6 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards.
ANSI/TIA/EIA 568-B.2-1 CAT.6
ISO/IEC 11801 CLASS E, 2nd Edition
IEC 61156-6
CENELEC EN 50173-1 CENELEC EN 50288-5-1,CENELEC EN 50288-5-2
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 / 23 AWG
Insulation	Material	HDPE
	Thickness	Normal Avg.: 0.22 mm
	Diameter	Normal : 1.00 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Elongation	Min. 300 %
	Tensile Strength	Min. 1.682 Kg/mm²
Sheath	Material	PVC
	Thickness	Average: 0.50 mm
	Diameter	6.3 ± 0.3 mm
	Color	Assorted upon request
	Elongation	Min. 100%
	Tensile strength	Min. 1.407 Kg/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:50% Min. tensile strength retention:75%
Marking		CAT.6 UTP ISO/IEC 11801 & EN 50288 & TIA/EIA-568-B.2-1 ETL/3P VERIFIED - 23AWGX4P SOLID TYPE CM (UL) C(UL) E164469 XXXXXXM
		as customer request.
Flame Test		Burning five times, every time is less than 60 second and paper flag can't be burned.

APPROVALS:

- UL/cUL Listed
- ETL/3P Certified ANSI/TIA/EIA-568-B.2-1 Category 6 Testing Safety/Performance requirements.

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APPLICATIONS:

- 000BASE-Tx Gigabit Ethernet
- 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 550 MHz Broadband Video
- Voice, T1, ISDN

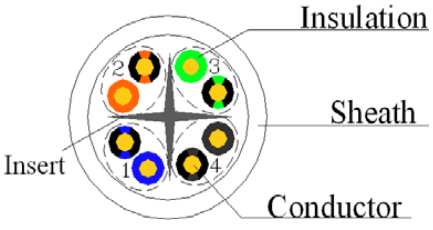
ELECTRICAL PERFORMANCES:

Spark Test		2000 ± 250 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max.9.38 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125Ω ± 20%		
	1~250MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100 meters at 20℃), Max.	Next (dB), Min	Power Sum (dB), Min.
	1MHz	– –	74.3*	64.0*
	4 MHz	3.8*	65.3*	63.3*
	10 MHz	6.0*	59.3*	57.3*
	16 MHz	7.6*	56.2*	54.2*
	20 MHz	8.5*	54.8*	52.8*
	31.25 MHz	10.7*	51.9*	49.9*
	62.5 MHz	15.5*	47.4*	45.4*
	100 MHz	19.9*	44.3*	42.3*
	150 MHz	25.3*	41.4*	39.4*
	200MHz	29.2*	39.8*	37.8*
	250MHz	33.0*	38.3*	36.3*

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:
NEXT(f MHZ)≥NEXT(0.772)-15LOG10(f MHZ/0.772)

CONFIGURATION:

2	3
ORANGE /WHITE-ORANGE	GREEN /WHITE-GREEN
BLUE /WHITE-BLUE	BROWN /WHITE-BROWN
1	4



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