Product Specification

Category 6 U/UTP Patch Cable, 24AWG×4P, PVC

STANDARD COMPLIANCES

All Proposed Category 6 requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN Standards:
ANSI/TIA-568-C.2 Cat.6
ISO/IEC 2nd Edition 11801 Class E
CENELEC EN 50173-1
CENELEC EN 50288-6-2, IEC 61156-6 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 / 24AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.231mm
	Diameter	Nominal: 1.05 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300%
	Unaged Tensile Strength	Min. 1.683 Kgf/mm²
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.50 mm
	Diameter	Nominal: 5.8 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:50%
		Min. tensile strength retention:75%
Marking		CAT.6 U/UTP PATCH ETL/3P VERIFIED TO ANSI/TIA-568-C.2 & ISO/IEC 11801 ED.2 & EN 50288-6-2 & IEC 60332-1-2 ▲ 24AWGX4P CMX(UL) c(UL) CMH E164469-XX
		or as customer request.
(PS): " ┼" Mould separate		

APPROVALS

ETL/3P Certified ANSI/TIA-568-C.2 Category 6 Testing Safety/Performance

UL/c UL Listed

APPLICATIONS

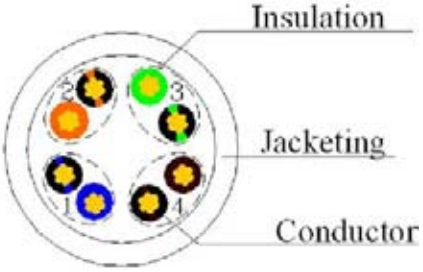
1000BASE-TX Gigabit Ethernet
10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
550MHz Broadband Video
Voice, T1, ISDN

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		2500 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 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	772kHz	125Ω ± 20%		
	1~250MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency	Max.Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min.	(dB), Min.
	1 MHz	2.0*	74.3*	72.3*
	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	15.4*	47.4*	45.4*
	100 MHz	19.8*	44.3*	42.3*
	150 MHz	24.9*	41.4*	39.4*
	200MHz	29.0*	39.8*	37.8*
	250MHz	32.8*	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)dB*				

CONFIGURATION

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



Product Specification

COLOR INFORMATION

Part No.	PACKAGING	COLOR		
		Manufacturer standard No.	RAL No.	PANTONE No.
39 3100	305M/Plastic reel in box	GY825	7044	cool gray : 4C
39 3101		RD210	3031	186C
39 3102		BU608	5012	7462C
39 3103		GN509	6016	3415C
39 3104		YE406	1023	143C
39 3105		BK012	9011	426C
39 3106		RD210	3031	186C
39 3107		WH928	9003	476C
39 3108		OR307	2000	1585U
39 3109		RD220	4003	238C
39 3200	500M/Wooden drum	GY825	7044	cool gray : 4C
39 3201		RD210	3031	186C
39 3202		BU608	5012	7462C
39 3203		GN509	6016	3415C
39 3204		YE406	1023	143C