PRODUCT SPECIFICATION

Category 6 S/FTP Patch Cable, 26AWG×4P,PVC

STANDARD COMPLIANCES

All Proposed Category 6 requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN Standards:
ANSI/TIA-568.2-D Cat.6
ISO/IEC 2nd Edition 11801 Class E
CENELEC EN 50173-1,IEC 61156-6,CENELEC EN 50288-5-2 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 (EU) 2015/863

CONSTRUCTION & CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 26AWG
Insulation	Material	Foam-Skin PE
	Thickness	Nominal: 0.27 mm
	Diameter	Nominal: 1.08 mm
	Colors	Blue/White Orange/White
		Green/White Brown/White
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 0.816 Kgf/mm²
Screen	Material	Aluminum-Mylar tape and tinned copper braid
Jacket	Material	PVC
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 5.7 mm
	Color	Assorted upon request
	Unaged Elongation	Min. 125%
	Unaged Tensile Strength	Min. 0.917 Kgf/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention:75%
		Min. tensile strength retention:70%
Marking		CAT.6 S/FTP 26AWGX4P PATCH 3P VERIFIED TO ANSI/ TIA-568.2-D & ISO/IEC 11801 ED.2 & EN 50288-5-2 & IEC 60332-1-2 CMX(UL) c(UL) CMH E164469-XX
		or as customer request.

3P Certified ANSI/TIA-568.2-D Category 6 Testing Performance requirements.

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

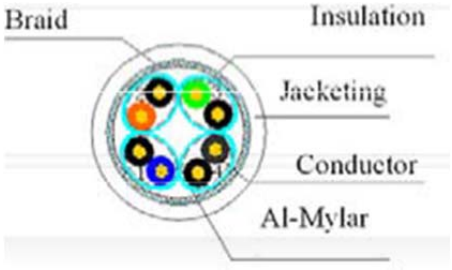
Dielectric Strength of Insulation		1500 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
Conductor Resistance		Max. 9.38 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	772kHz	125Ω ± 20%		
	1~250MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency	Max.Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min.	(dB), Min.
	1 MHz	2.4*	74.3*	72.3*
	4 MHz	4.5*	65.3*	63.3*
	10 MHz	7.1*	59.3*	57.3*
	16 MHz	9.7*	56.2*	54.2*
	20 MHz	10.2*	54.8*	52.8*
	31.25 MHz	12.8*	51.9*	49.9*
	62.5 MHz	18.5*	47.4*	45.4*
	100 MHz	23.8*	44.3*	42.3*
	150 MHz	29.7*	41.4*	39.4*
	200MHz	34.8*	39.8*	37.8*
	250MHz	39.4*	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 white	2	green white	3
blue white	1	brown white	4



COLOR INFORMATION

Part No.	PACKAGING	COLOR	
		Manufacturer standard No.	RAL/PANTONE No.
39-3400	500M/Wooden drum	GY825	Pantone cool gray 3c
39-3401		RD210	Pantone 186c
39-3402		BU608	Pantone 7691c
39-3403		GN509	Pantone 3415c
39-3404		YE406	Pantone 143c