Product Specification

Category 6A PIMF Patch Cable, 26AWGx4P, PVC

STANDARD COMPLIANCES

All Proposed Category 6A Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards.
ANSI/TIA-568-C.2 Cat.6A
ISO/IEC 2nd Edition 11801 Class EA
CENELEC EN 50173-1,CENELEC EN 50288-10-2
IEC 3rd Edition 61935-1, IEC 2nd Edition 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 / 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	Flame Retardant PVC
	Thickness	Nominal: 0.5 mm
	Diameter	Nominal: 5.7 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		YFC CAT.6A SSTP PATCH 3P VERIFIED TO ISO/IEC 11801 ED.2 & ANSI/TIA-568-C.2 & IEC 60332-1-2 26AWGX4P CM(UL) c(UL) E164469-XX
		or as customer request.

APPROVALS

UL/cUL Listed
3P Certified for Category 6A PIMF Patch Cable

APPLICATIONS

10GBASE-T ETHERNET (IEEE P802.3an) Proposed
1000BASE-TX Fast Ethernet
100 Mbps TP-PMD
1000BASE-T Gigabit Ethernet

Product Specification

100BASE-TX Fast Ethernet.
155/622 Mbps ATM
100VG-AnyLAN
1.2Gb/s ATM

10BASE-T Ethernet.
4/16 Mbps Token Ring

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		1000 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	64kHz	125Ω ± 20%		
	1~500MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency	Max.Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min	(dB), Min
	1 MHz	2.5*	74.3*	72.3*
	10 MHz	7.1*	59.3*	57.3*
	100 MHz	23*	44.3*	42.3*
	200 MHz	33.1*	39.8*	37.8*
	250 MHz	37.3*	38.3*	36.3*
	300 MHz	41.1*	37.1*	35.1*
	400 MHz	48.1*	35.3*	33.3*
	500 MHz	54.3*	33.8*	31.8*

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