PRODUCT SPECIFICATION

Category 6A PIMF Patch Cable,

26AWGx4P, LSOH

STANDARD COMPLIANCES

All Proposed Category 6A Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards.
Cat.6A ANSI/TIA-568.2-D
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
IEC 60754-2 ,IEC 61034-1 & IEC 61034-2
Flame Retardancy is verified according to IEC 60332-1-2
Our products always comply with RoHS and REACH Directives.

CONSTRUCTION & CHARACTERISTICS

Conductor	Material / Size	Bare Copper / 26AWG
Insulation	Material	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	LSOH
	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.6A S/FTP LSOH 26AWGX4P PATCH 3P VERIFIED TO ISO/IEC 11801 ED.2 & ANSI/TIA-568.2-D & IEC 60332-1-2
		or as customer request.

APPROVALS

3P Certified for Category 6A PIMF Patch Cable

APPLICATIONS

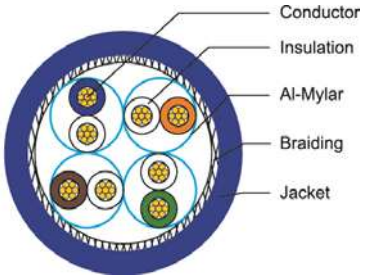
10GBASE-T Ethernet
1000BASE-Tx Gigabit Ethernet
10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
100 VG - AnyLAN (IEEE802.12)
550 MHz Broadband Video
Voice, T1, ISDN, 155/622 Mbps ATM

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
Conductor Resistance		Max. 14.0 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
	101~500MHz	100Ω ± 22%		
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	23.0*	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 ≧ 31-50LOG10(f MHZ/330)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.
39-3418	500M/Wooden drum	OR311	Pantone 7416c
39-3419		PK020	RAL4003
39-3420		GY852	RAL9002
39-3421		RD215	Pantone 1795c
39-3422		BU632	Pantone 7701c
39-3423		GN520	RAL6037
39-3424		YE419	Pantone 129c
39-3425		BK012	Pantone Black 6c
39-3426		PU720	Pantone 7677c
39-3427		WH930	between RAL 9002 and RAL 9010