

Category 7 PIMF Patch Cable, 26AWG×4P, PVC

STANDARD COMPLIANCES

All Proposed Category 7 requirements as per ANSI/TIA, ISO/IEC, and CENELEC EN Standards.

ANSI/TIA-568-B.2-1

ISO/IEC 2nd Edition 11801 CLASS F

CENELEC EN 50173-1

CENELEC 2nd Edition EN 50288-4-2, 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 / 26AWG
Insulation	Material	Foam-Skin PE
	Thickness	Nominal: 0.3 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/mm ²	
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. 1.407Kgf/mm ²
	Aging at 100°C for 168Hrs	Min. elongation retention: 50%
Min. tensile strength retention: 75%		
Marking	YFC CAT.7 SSTP PATCH 3P VERIFIED TO ANSI/TIA-568-B.2-1 & ISO/IEC 11801 ED.2 & EN 50288-4-2 & IEC 60332-1-2 26AWGX4P CM(UL) c(UL) E164469-XX	
	or as customer request.	

APPROVALS

UL/cUL Listed

3P Certified ANSI/TIA-568-B.2-1 Category 7 Testing Performance requirements.



APPLICATIONS

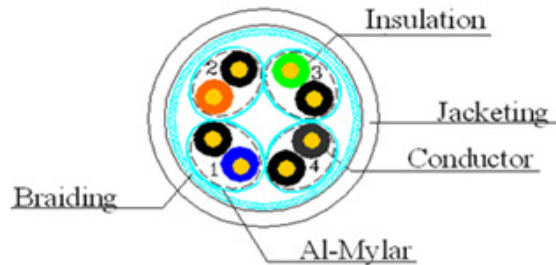
10GBASE-T Ethernet
 1000BASE-Tx Gigabit Ethernet
 10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
 100 VG - AnyLAN (IEEE802.12)
 550 MHz Broadband Video
 Voice, T1, ISDN
 155/622 Mbps ATM

ELECTRICAL PERFORMANCES

Dielectric Strength of Insulation	1000 V dc / 2 seconds			
Insulation Resistance Test	Min. 5000 M Ω · Km			
Conductor Resistance	Max. 9.38 Ω /100m at 20 $^{\circ}$ C			
Resistance Unbalance	Max. 2%			
Capacitance Unbalance	Max. 160 pF/100m			
Mutual Capacitance	Max. 5600 pF/100m			
Impedance	64kHz	125 Ω \pm 20%		
	1~250MHz	100 Ω \pm 15%		
	300~600MHz	100 Ω \pm 25%		
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	6.4*	59.3*	57.3*
	16 MHz	9.1*	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*
	200 MHz	34.8*	39.8*	37.8*
	300 MHz	43.7*	37.1*	35.1*
	600 MHz	65.4*	32.6*	30.6*
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: $NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \text{ LOG}_{10}(f \text{ MHz} / 0.772) \text{ dB}$				

CONFIGURATION

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



ORDER INFORMATION

Part NO.	YLC-7PP04-AX1-XXX2XX3		
Description.	Category 7 PIMF Patch Cable, 26AWG×4P, PVC YLC: YFC LAN Cable 7: Cat.7 P: Patch A: Jacket, PVC CM X1: Packing R:Reel or N: w/o Reel XXX2: Length, Meter: 305: 305m 500: 500m 610: 610m XX3: Jacket Color: WH:White RD:Red YL:Yellow BL:Blue BK:Black GY:Gray *Others: Available on Requests.		
	P: PIMF(SSTP)	04: 4 Pair	

*Although YFC-BonEagle has taken precautions to ensure the accuracy of the product specifications at the time of publication, however, we cannot be responsible for the errors, omissions, or changes due to obsolescence. All data contained herein is subject to change without notice.