Category 6A SSTP PIMF Patch Cable, 26AWG×4P, PVC

Product Specification

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		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

Category 6A SSTP PIMF Patch Cable, 26AWG×4P, PVC

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

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

ELECTRICAL PERFORMANCES

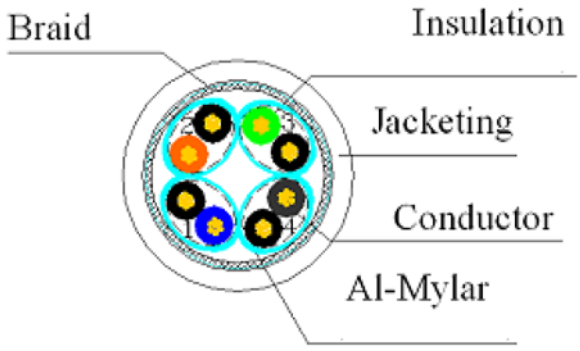
Dielectric Strength of Insulation		1000 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
Conductor Resistance		Max. 9.38 Ω/100m at 20℃		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125Ω ± 20%		
	1~500MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min	PSNEXT (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

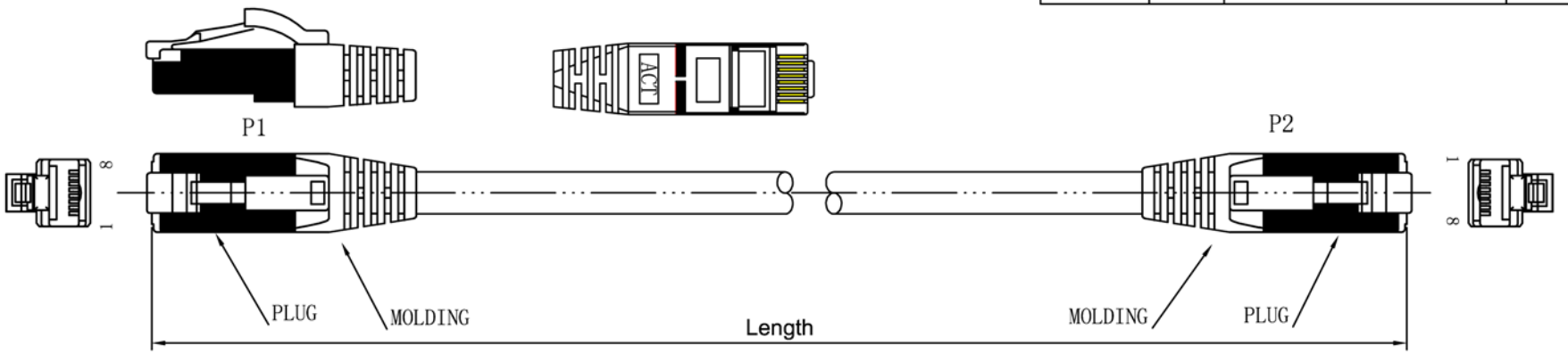
CONFIGURATION

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

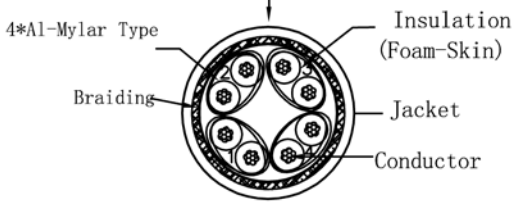


RoHS COMPLIANT

DATE	REV.	REVISION	DRAFTING	CHECKED
	A/0			



Marking: **ACT CATEGORY 6A SSTP PATCH CABLE 3P VERIFIED TO ISO/IEC 11801 ED.2 & ANSI/TIA-568-C.2 & IEC 60332-1-2 ▲ 26AWGX4P CMX(UL) c(UL) CMH E164469-XX 15000.001**
(FP0408)



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

Conductor		Bare Copper 26AWG
Insulation		Thickness:MIN at any point:0.20mm MAX AVG:0.35mm Diameter:1.05±0.06mm
Jacket	PVC	Thickness:MIN at any point:0.50mm MAX AVG:0.60mm Diameter:5.8±0.20mm

Wire	CAT.6A SSTP 26AWG*4P
Plug	YUS-28 8P8C 50U″
Length=xx	xxM
Color=yy	yy

PA/R	PINOUT P1(T568B)	WIRE	P2(T568B)
1	1	WHT/ORG	1
	2	ORG	2
2	3	WHT/GRN	3
	6	GRN	6
3	4	BLU	4
	5	WHT/BLU	5
4	7	WHT/BRN	7
	8	BRN	8

Unless specified on the drawing, tolerances are per the follows:
. ± 1
.X ± 0.2
.XX ± 0.05

3RD

DRAW.NO	L-228	ITEM			
CUSTOMER NAME		DRAW	DHY	DATE	2012/04/05
SCALE		CHECKER	wuxiao	DATE	2012/04/05
UNIT	MM	SHEET	1	OF	1

RoHS COMPLIANT

DATE	REV.	REVISION	DRAFTING	CHECKED
	A/0			

TYPE	LENGTH (M)	TYPE	LENGTH (M)	TYPE	LENGTH (M)	TYPE	LENGTH (M)	TYPE	LENGTH (M)	TYPE	LENGTH (M)	TYPE	LENGTH (M)
FB6500	0.5	FB6000	0.5	FB6900	0.5	FB3001	1	FB6600	0.5	FB6700	0.5	FB6815	15
FB6501	1	FB6001	1	FB6901	1	FB3005	5	FB6601	1	FB6701	1	FB6820	20
FB6502	2	FB6002	2	FB6902	2	FB3010	10	FB6602	2	FB6702	2	FB6825	25
FB6503	3	FB6003	3	FB6903	3	FB3000	0.5	FB6603	3	FB6703	3	FB6830	30
FB6505	5	FB6005	5	FB6905	5	FB3003	3	FB6605	5	FB6705	5	FB6851	1.5
FB6507	7	FB6007	7	FB6907	7	FB3007	7	FB6607	7	FB6707	7	FB6800	0.5
FB6510	10	FB6010	10	FB6910	10	FB3051	1.5	FB6610	10	FB6710	10	FB6801	1
FB6515	15	FB6015	15	FB6915	15	FB3002	2	FB6615	15	FB6715	15	FB6802	2
FB6520	20	FB6020	20	FB6920	20	FB3015	15	FB6620	20	FB6720	20	FB6803	3
FB6525	25	FB6025	25	FB6925	25	FB3020	20	FB6625	25	FB6725	25	FB6805	5
FB6530	30	FB6030	30	FB6930	30	FB3025	25	FB6630	30	FB6730	30	FB6807	7
FB6551	1.5	FB6051	1.5	FB6951	1.5	FB3030	30	FB6651	1.5	FB6751	1.5	FB6810	10
		FB6052	0.25			FB3052	0.25						

no.	item	color	ral no.	yfc no.
1	FB60xx	ivory	RAL1015	IV029
2	FB56xx	red	RAL3020	RD210
3	FB66xx	blue	RAL5019	BU608
4	FB67xx	green	RAL6016	GN509
5	FB68xx	yellow	RAL1003	YE406
6	FB69xx	black	RAL9011	BK012
7	FB30xx	gray	RAL9002	GY825

Unless specified on the drawing, tolerances are per the follows:

.	± 1
.X	± 0.2
.XX	± 0.05

3RD

DRAW.NO	L-228	ITEM			
CUSTOMER NAME		DRAW	DHY	DATE	2012/04/05
SCALE		CHECKER	wuxiao	DATE	2012/04/05
UNIT	MM	SHEET	1	OF	1