DYNAMIX™
CERTIFIED CABLING SYSTEM

Category 6 PIMF Patch Cable, Stranded, 26AWG×4P, LSOH

PRODUCT SPECIFICATION

STANDARD COMPLIANCES:

All Proposed Category 6 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards:
ANSI/TIA/EIA 568-B.2-1 CAT.6
2nd Edition ISO/IEC 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 2002/95/EC.

CONSTRUCTION & CHARACTERISTICS:

Conductor	Material / Size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
	Thickness	Normal Avg.: 0.27 mm
	Diameter	Normal : 1.08 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Elongation	Min. 150%
	Tensile Strength	Min. 0.51 Kg/mm²
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair with insulation on inside surface
Braid	Material	Tinned Copper /Comply with international standard
Sheath	Material	LSOH
	Thickness	Average: 0.45 mm
	Diameter	5.7 ± 0.3 mm
	Color	Assorted upon request
	Elongation	Min. 125%
	Tensile Strength	Min. 0.917 Kg/mm²
	Aging at 100℃ for 168Hrs	Min. elongation retention: 75% Min. tensile strength retention: 70%
Marking		YFC CAT.6 PIMF 26AWGX4P LSOH PATCH CABLE CONFIRM to IEC 332-1 & ISO/IEC 11801 ED.2 & EN 50288 & TIA/EIA 568-B.2 FOR GIGABIT ETHERNET

APPROVALS:

• 3P/ETL Certified ANS/TIA/EIA-568-B.2 Category 5e testing performance requirements.

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APPLICATIONS:

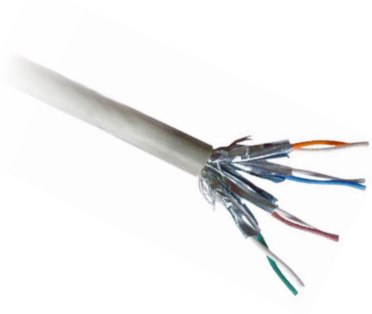
- 1000BASE-T Gigabit Ethernet
- 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 550MHz Broadband Video
- 100 VG – AnyLAN (IEEE802.12), 155/622 Mbps ATM
- Voice, T1, ISDN

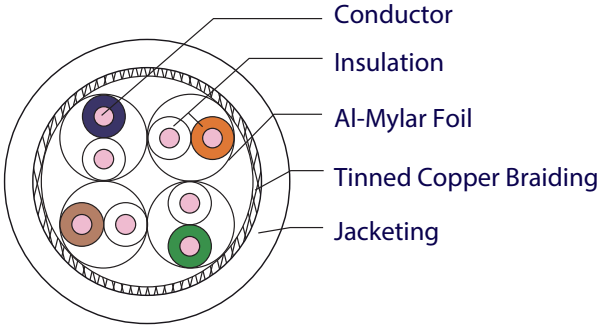
ELECTRICAL PERFORMANCES:

Spark Test		750 ± 250 V ac		
Dielectric Strength		2500 V dc / 3 seconds		
Insulation Resistance Test		Min. 150 MΩ/Km		
Conductor Resistance		Max. 14.07 Ω/100m at 20℃		
Resistance Unbalance		Max. 5%		
Capacitance Unbalance		Max. 330 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125Ω ± 20%		
	1~250MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Attenuation (dB/100M), Max	Next (dB), Min	Power Sum (dB), Min
	1MHz	3.1*	66.0*	64.0*
	4 MHz	5.8*	65.3*	63.3*
	10 MHz	9.0*	59.3*	57.3*
	16 MHz	11.4*	56.2*	54.2*
	20 MHz	12.8*	54.8*	52.8*
	31.25 MHz	16.1*	51.9*	49.9*
	62.5 MHz	23.2*	47.4*	45.4*
	100 MHz	29.9*	44.3*	42.3*
	150 MHz	38.0*	41.4*	39.4*
	200 MHz	43.7*	39.8*	37.8*
	250 MHz	49.5*	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)

CONFIGURATION:





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