

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.

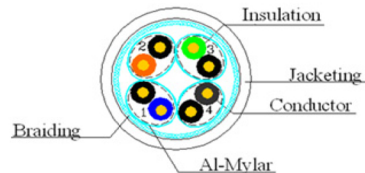
We implemented RoHS compliance for the requirement of European Union issued Directive 2002/95/EC

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. 1.407Kg/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.	

CONFIGURATION

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



Product Photo



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°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	64kHz	125Ω ± 20%		
	1~250MHz	100Ω ± 15%		
	300~600MHz	100Ω ± 25%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max. Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (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:

$$NEXT(f \text{ MHz}) \geq NEXT(0.772) - 15 \log_{10}(f \text{ MHz}/0.772) \text{ dB}$$

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Title

Cat7 (SSTP) Shielded Patch Cable

Part Number

730-XX XX

Notes

1. Unless otherwise specified all dimensions are nominal
2. All specifications are subject to change without notice at any time
3. Dimensions are in millimeters