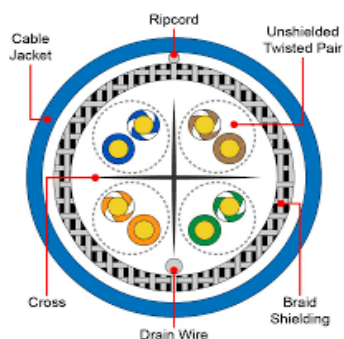


CATEGORY 6A U/UTP PATCH CORD

4 Pairs, LZSH



Features

Category 6A UTP patch cords are manufactured using high quality shielded four pair Category 6A stranded cable, and feature cable strain relief boots with a plug latch protection cap. This patch cord when used with high performance Category 6A connectivity (solid UTP cable, patch panels and work area outlets).



CAT 6A

Compliance

ISO/IEC 11801,
TIA/EIA 568-C.2,
EN50173 RoHS 2011/65/EU,
REACH EC 1907/2006

Design & Materials

Conductor & Diameter	99% copper(Multi strand copper wire structure) $0.57 \pm 0.005\text{mm}$ / 23 AWG
Insulation & Diameter	HDPE $1.02 \pm 0.02\text{mm}$
Cross skeleton	$4.5 * 0.45\text{mm}$
Rip cord	Optional
Jacket & Diameter	LZH $6.2 \pm 0.5\text{mm}$
Thickness	$\geq 0.5\text{mm}$

Electrical data

Linear resistance	$\leq 9.5\Omega$ / 100m
Insulation resistance	$\geq 5000\text{M}\Omega$ / km
Mutual capacity0.8kHz	$\leq 5.6\text{nF}$ / 100m
Unbalance capacity	$\leq 330\text{pF}$ / 100m
Characteristic impedance	$100 \pm 15\Omega$
Dielectric strength	DC.1Kv.1min no break

Mechanical & install data

Conductor Elongation ratio	≥ 15%
Insulation Tensile strength	≥ 16 Mpa
Insulation Elongation ratio	≥ 300%
Jacket Tensile strength	≥ 13.5 Mpa
Jacket Elongation ratio	≥ 300%
Working temperature	-20°C to + 60°C
Bending radius	≥ 10 X out diameter

Transmission performance data

Frequency (MHz)	Return Loss (dB)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	EL FEXT (dB/100m)	PS EL FEXT (dB/100m)
1	20	2.0	74.3	72.3	67.8	64.8
4	23	3.8	66.3	63.3	56	53
8	24.5	5.3	61.8	58.8	49.9	46.9
10	25	6.0	60.3	57.3	48	45
16	25	7.6	57.2	54.2	43.9	40.9
20	25	8.5	55.8	52.8	42	39
25	24.3	9.5	54.3	51.3	40	37
31.25	23.6	10.7	52.9	49.9	38.1	35.1
62.50	21.5	15.4	48.4	45.4	32.1	29.1
100	20.1	19.8	45.3	42.3	28	25
200	18.0	29.0	40.8	37.8	22	19
250	17.3	32.8	39.3	36.3	20	17

Ordering information

Part code: HCPC6-X-YN

CAT6	Outer jacket (X)	Color (Y)	Size (N)
HCPC6	ZH - LSZH P - PVC	G - Grey	005 - 0.5
		Gr - Green	01 - 1
		Y - Yellow	02 - 2
		B - Blue	03 - 3
		Bl - Black	05 - 5
			10 - 10