

CAT 6A U/UTP 34AWG SLIM PATCH CORD

The CAT 6A U/UTP 34 AWG Slim Patch Cord is a high-performance Ethernet cable designed for 10 Gigabit Ethernet (10GBASE-T) applications. It features an unshielded twisted pair (U/UTP) construction with an ultra-slim 34 AWG conductor size, making it ideal for high-density patching environments where space, airflow, and flexibility are critical. The slim diameter allows improved cable management, reduced congestion in racks and cabinets, and enhanced airflow for better thermal performance. The patch cord is suitable for data centres, enterprise networks, and structured cabling systems, while fully complying with ANSI/TIA-568.2-D and ISO/IEC 11801 standards for CAT 6A performance.



COMPLIANCE

IEEE 802.3af and IEEE 802.3at for PoE applications.
ISO/IEC 11801, ANSI/TIA- 568.2-D

DESIGN & MATERIALS

Basic Cable Conductor	Stranded Bare Copper wire with fibre
Conductor Size	34 AWG
Wire Insulation	PE
Insulation Dia	0.35 ±0.05 mm
Jacket Material	PVC/LSZH
Jacket Thickness	0.50 ±0.05 mm
Cable Overall diameter	2.6 ± 0.2mm
Wire Scheme	T568B

ELECTRICAL & MECHANICAL DATA

Conductor DC Resistance (Ohm/Km)	≤1056
Dielectric Strength	DC 1KV for 1min
Insulation Resistance(MΩ.10m)	≥100
Before Ageing :	
Tensile Strength(Mpa)	≥13.5
Elongation (%)	≥150
Aging Period (°C x hrs)	100°C×24h×7d
After Ageing:	
Tensile Strength(Mpa)	≥12.5
Elongation (%)	≥125
Cold Bend(-20±2°C×4h)	No Visible Cracks

CAT 6A U/UTP 34AWG SLIM PATCH CORD

TRANSMISSION PERFORMANCE DATA

Freq. (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	19.0	3.0	65.0	580.0	62.0	63.3	60.3
4	19.0	4.2	63.0	562.0	60.5	51.2	48.2
8	19.0	5.8	58.2	557.0	55.6	45.2	42.2
10	19.0	6.5	56.6	555.0	54.0	43.3	40.3
16	18.0	8.2	53.2	553.0	50.6	39.2	36.2
20	17.5	9.2	51.6	552.0	49.0	37.2	34.2
25	17.0	10.2	50.0	551.0	47.3	35.3	32.3
31.25	16.5	11.5	48.4	550.0	45.7	33.4	30.4
62.5	14.0	16.4	43.4	549.0	40.6	27.3	24.3
100	12.0	20.9	39.9	548.0	37.1	23.3	20.3
200	9.0	30.1	34.8	547.0	31.9	17.2	14.2
250	8.0	33.9	33.1	546.0	30.2	15.3	12.3
400	6.0	43.7	28.7	546.0	25.8	11.2	8.2
500	6.0	49.3	26.1	546.0	23.2	9.3	6.3

*Category 6A Channel Test Extreme Length is 8m

ORDERING INFORMATION

Part Number	Description	Length
127-4A1101X	CAT 6A U/UTP Slim Patch Cord PVC 01m	01m
127-4A1102X	CAT 6A U/UTP Slim Patch Cord PVC 02m	02m
127-4A1105X	CAT 6A U/UTP Slim Patch Cord PVC 05m	05m
127-4A1110X	CAT 6A U/UTP Slim Patch Cord PVC 10m	10m
127-4A2101X	CAT 6A U/UTP Slim Patch Cord LSZH 01m	01m
127-4A2102X	CAT 6A U/UTP Slim Patch Cord LSZH 02m	02m
127-4A2105X	CAT 6A U/UTP Slim Patch Cord LSZH 05m	05m
127-4A2110X	CAT 6A U/UTP Slim Patch Cord LSZH 10m	10m

X: GY(Gray), BL(Blue), WH(White), YL(Yellow)

Note : UL applicable for PVC only