

The HAWKVISION High-End Cat6 UTP Ethernet Cable is built for PoE network to deliver high performance with up-to 10 Gbps data transfer rates and 250 MHz bandwidth. Featuring Copper-Clad Aluminum (CCA) conductors, this cable offers a cost-effective solution while maintaining reliable network performance. It passes the Fluke Certification tests to ensure transmission reliability, while its 23 AWG conductors improve network efficiency. This cable meets all TIA/EIA-568-C.2 standards and is ISO/IEC certified, making it suitable for residential, commercial, and enterprise networking applications.

Model Number	HK-1LN-23AWG-FP/CCA	Product Photo
Brand	HAWKVISION	
Country of Origin	United Kingdom	
Country of Manufacture	China	
Product	Fluke Pass CAT6 U/UTP Network Cable (CCA, 0.56mm)	
Compliance	Stable Electrical Performance, Standard ANSI/TIA-568.2-D	
Strength	High Tensile and Compressive Strength	
Fluke Test	Passed	
Category	CAT 6	
Structure	U/UTP (Unshielded Twisted Pair)	
Shielding Material	PVC Jacket with Aluminum foil	
Fire Resistance	CPR ECA	
Usage Scenario	Indoor	
Conductor Material	Copper-Clad Aluminum	
Conductor Diameter	0.57 ± 0.01 mm (23 AWG) (American Wire Gauge) solid	
Insulation Diameter	1.02 ± 0.05 mm	
Sheath Material	PVC / Low Smoke Zero Halogen (LSZH)	
Sheath Color	Grey	
Cable Length	305 ± 1.5 m	
Rip Cord	Yes	
Separator	Yes	
Data Rate	10 Gbps (Gigabits per second)	
Bandwidth	250 MHz	
Max Transmission Distance	55 meters for 10GBase-T (10 Gigabit Ethernet)	
Certification	ISO 45100:2018	
	ISO 9001:2015	
	ISO 14001:2015	

Cable ID: HAWKVISION TECHNOLOGIES 0.56 CAT6 UTP 11/11

Test Summary: PASS

Test Limit: TIA Cat 6 Channel

Limits Version: V7.11

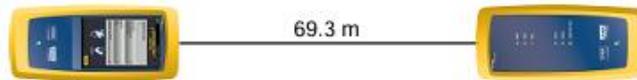
Date / Time: 11/11/2025 02:53:47 PM

Engineer: Mr. Shen

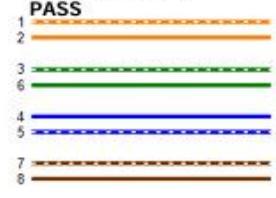
Headroom 7.9 dB (NEXT 1,2-3,6)

Cable Type: Cat 6 F/UTP NVP: 70.0%

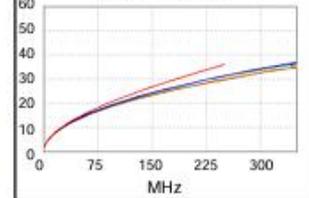
Length (m), Limit 100.0	[Pair 7,8]	69.3
Prop. Delay (ns), Limit 555	[Pair 4,5]	346
Delay Skew (ns), Limit 50	[Pair 4,5]	16
Resistance (ohms)	[Pair 3,6]	26.83
Insertion Loss Margin (dB)	[Pair 4,5]	4.6
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	35.9



Wire Map (T568B)

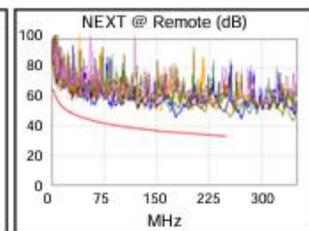
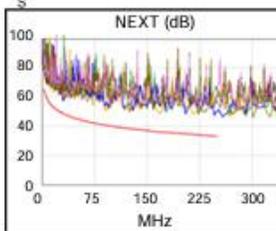


Insertion Loss (dB)

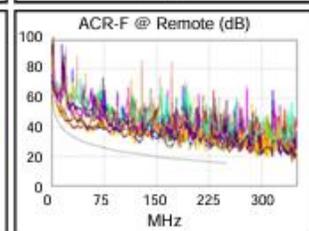
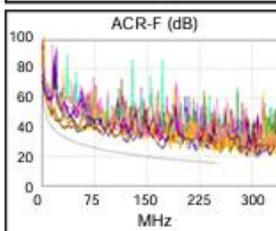


Worst Case Margin Worst Case Value

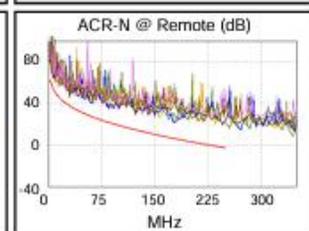
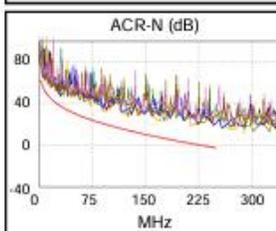
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-3,6	1,2-7,8
NEXT (dB)	7.9	8.6	13.1	10.4
Freq. (MHz)	4.6	29.4	214.5	177.0
Limit (dB)	62.0	48.9	34.3	35.7
Worst Pair	1,2	1,2	4,5	1,2
PS NEXT (dB)	9.4	10.2	14.9	11.4
Freq. (MHz)	4.8	8.8	224.0	177.0
Limit (dB)	59.3	55.0	31.0	32.8



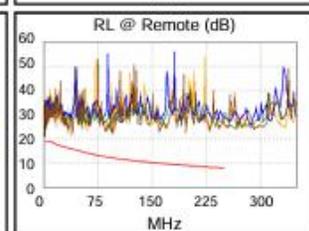
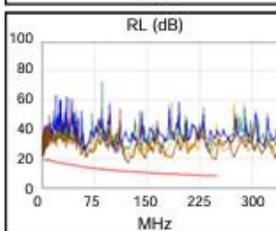
PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	1,2-7,8	7,8-1,2
ACR-F (dB)	5.2	5.4	7.3	7.3
Freq. (MHz)	29.9	30.0	241.5	241.5
Limit (dB)	33.8	33.7	15.6	15.6
Worst Pair	1,2	3,6	1,2	1,2
PS ACR-F (dB)	7.6	7.6	7.6	8.6
Freq. (MHz)	244.5	30.0	244.5	245.5
Limit (dB)	12.5	30.7	12.5	12.5



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-3,6	3,6-4,5	1,2-7,8	1,2-7,8
ACR-N (dB)	8.1	8.9	20.6	22.2
Freq. (MHz)	4.6	29.4	246.5	246.0
Limit (dB)	57.7	37.8	-2.4	-2.4
Worst Pair	3,6	3,6	4,5	7,8
PS ACR-N (dB)	9.5	10.5	19.1	22.3
Freq. (MHz)	4.3	8.8	224.0	246.0
Limit (dB)	56.0	49.0	-2.7	-5.3



PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	7,8
RL (dB)	6.1	6.4	6.1	10.0
Freq. (MHz)	123.5	39.5	123.5	95.3
Limit (dB)	11.1	16.0	11.1	12.2



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T 5GBASE-T
 ATM-25 ATM-51 ATM-155
 100VG-AnyLan TR-4 TR-16 Active
 TR-16 Passive

LinkWare™ PC Version 11.2