

# NX-GLD56C6

100 Mtr. UTP NETWORK CABLE, CCA CERTIFIED,  
FLUKE TEST PASS



## Key Feature

- Gigabit Cat6 Performance Data Speeds up to 1 Gbps
- Economical CCA Conductors 23AWG Copper-Clad Aluminum
- Durable Indoor Construction Four Twisted Pairs
- 100m Bulk Spool & Quality Assurance



The NexaKey NX-GL56C6 is a 100-meter bulk spool of Category 6 (Cat6) unshielded twisted-pair (UTP) Ethernet cable designed for indoor networks. It features four pairs of 23AWG copper-clad aluminum (CCA) conductors, providing a budget-friendly alternative to pure copper while still supporting high-speed data transmission. This cable supports bandwidth up to 250MHz, enabling Gigabit Ethernet (1Gbps) performance. With HDPE insulation and a flame-retardant PVC jacket (CMR fire rating), it is well-suited for office or building installations. Packaged on a 100m reel (3.4kg), each length is quality-checked (Fluke-tested) to ensure consistent perfor-

## Technical Performance (Fluke channel 100 meter)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	RL (dB)	ACR-N (dB)	ACR-F (dB)	PS NEXT (dB)	PS ACR-N (dB)	PS ACR-F (dB)
1	3.0	65.0	19.0	62.0	63.3	62.0	59.0	60.3
4	4.0	63.0	19.0	59.0	51.2	60.5	56.5	48.2
8	5.7	58.2	19.0	52.5	45.2	55.6	49.9	42.2
10	6.3	56.6	19.0	50.2	43.3	54.0	47.7	40.3
16	8.0	53.2	18.0	45.2	39.2	50.6	42.6	36.2
20	9.0	51.6	17.5	42.6	37.2	49.0	39.9	34.2
25	10.1	50.0	17.0	39.9	35.3	47.3	37.2	32.3
31.25	11.4	48.4	16.5	37.0	33.4	45.7	34.3	30.4
62.5	16.5	43.4	14.0	26.9	27.3	40.6	24.1	24.3
100	21.3	39.9	12.0	18.6	23.3	37.1	15.8	20.3
200	31.5	34.8	9.0	3.3	17.2	31.9	0.3	14.2
250	35.9	33.1	8.0	-2.8	15.3	30.2	-5.8	12.3

# Specification

Model	NX-GLD56C6	
Category	Cat.6	
Reference standard	ANSI/TIA/EIA 568B.2 & ISO/IEC 11801 FLUKE TEST PASSED	
Fire resistance	CPR Fca	
Conductor	Material	Copper Clad Aluminum (CCA)
	Diameter	0.56 ± 0.01 mm (23AWG)
Insulation	Material	HDPE
	Diameter	0.98 ± 0.05 mm
Sheath	Thickness	0.55 ± 0.1 mm
	Diameter	6.0 ± 0.3 mm
	Material	PVC
	Color	Orange
Rip-cord	Yes	
Separator	Yes	
Sheath physical properties	Before aging	Tensile strength ≥ 13.5 Mpa Elongation ≥ 150%
	Aging period	100 °C × 24 h × 10 d
	After aging	Tensile strength ≥ 12.5Mpa Elongation ≥ 125%
	Cold bend	-20°C 4h, no visible cracks
Electrical Characteristics (20°C)	1.0-250.0 MHz impedance	100 ± 15 Ω
	1.0-250.0 MHz delay skew	≤ 45 ns/100 m
	DC resistance	≤ 20.5 Ω/100 m
	DC conductor resistance unbalance	≤ 5.0%
	Package dimension	400 mm (D) × 400 mm (W) × 240 mm (H)
	Weight	9.4 Kg
	Cable length	305 m
	Ambient temperature	-20 °C to 80 °C
	Operating voltage	57 V



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