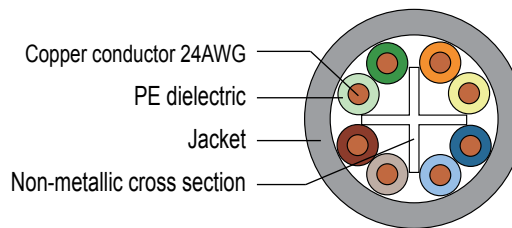


Connectivity.Assured

ONE CAT6 U/UTP 24AWG Network Data Cable

The Kordz ONE Series CAT6 cable has been designed and engineered to provide any application with a cost-effective, high-bandwidth and high-performance cabling solution. This makes for a more robust and complex system at Gigabit speed and full duplex transmissions. The new smaller and more compact Rapid-EZ-Reel packaging allows the easy flow of cable from the box, whilst keeping the cable from twisting and curling, greatly minimising snags during installation therefore saving precious time.

- Suitable for 10BASE-T, 100BASE-TX, 1000BASE-T/1000BASE-TX (Gigabit) & 5GBaseT, PoE & PoE+
- U/UTP Ethernet CAT6
- Four Twisted Pairs 24 AWG Oxygen Free Solid Copper Conductors
- PVC Separator Reduces Crosstalk Between Pairs
- Suitable for IDC Terminations
- Supplied In The Durable Rapid-EZ-Reel Packaging - 305m (1,000ft)
- Metre Marked
- 5 Colours Available: Blue, Green, White, Yellow & Purple
- Exceeds ANSI/TIA 568-C.2 Standard
- Available In LSZH - IEC60332-1 And UL 444 CM fire rated versions
- CPR Declared Performance: ONE-CAT6: Dca-s2, d2, a1 (EN50575:2014+A1:2016)



Reference Standards: ANSI/TIA-568-C.2

Technical Specifications		
Construction		
Conductor	Solid OFC annealed bare copper wire 0.537 +0/-0.015mm [24AWG]	
Insulation	Polyethylene, 0.97 +/-0.05 mm	
Twisting	4 twisted pairs, 2 cores to each pair	
Twisted pair color code	1: white-blue/blue 2: white-orange/orange 3: white-green/green 4: white-brown/brown	
Cable Lay up	4 pairs with different pitches Non-metallic cross separator (spine)	
Outer diameter	5.7 +/-0.3 mm	
Mechanical Properties		
Bend Radius	without load ≥ 22.8mm /0.89" with load ≥ 45.6mm /1.79"	
Temperature range	During operation	-20°C to 60°C
	During installation	0°C to 50°C
Electrical Properties - at 20°C ± 5°C		
DC resistance	≤ 9.38Ω / 100m at 20°C	
Resistance unbalance	≤ 5% at 20°C	
Insulation resistance (500V)	≥ 5000MΩ / km at 20°C	
Mutual capacitance	≤ 5.6 nF / 100m at 1kHz	
Capacitance unbalance (pair to ground)	≤ 330 pF / 100m at 1kHz	
Nominal velocity of propagation	nom. 67% c	
Test voltage	1kV DC / 1 min	
Material/Marking and Fire Rating		
Material	Marking	Fire Rating
LSZH	Kordz ONE Solid OFC UHD/4K Video/Data Network Cable. ETL VERIFIED TIA-568-C.2 (3081133CRT-009) LSZH CAT6 U/UTP 24AWG.Kordz.com	IEC 60332-1
FRPVC	Kordz ONE Solid OFC UHD/4K Video/Data Network Cable. ETL VERIFIED TIA-568-C.2 (2042398CRT-004) CM CAT6 U/UTP 24AWG.Kordz.com	UL 444 CM

kordz.com



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ONE CAT6 U/UTP 24AWG Network Data Cable

Meets Transmission Performance acc. to ANSI/TIA-568-C.2 Cat.6 (20°C)										
Frequency (MHz)	Fitted Impedance (Ohms)	Insertion loss (dB) Max.	NEXT (dB) Min.	PSNEXT (dB) Min.	ACRF (dB) Min.	PSACRF (dB) Min.	Frequency (MHz)	Delay Skew (ns) Max.	Return Loss (dB) Min.	Propagation Delay (ns) Max.
1	100 +/- 15	2.0	74.3	72.3	67.8	64.8	1	45	20.0	570.0
4		3.8	65.3	63.3	55.8	52.8	4		23.0	552.0
8		5.3	60.8	58.8	49.7	46.7	8		24.5	546.7
10		6.0	59.3	57.3	47.8	44.8	10		25.0	545.4
16		7.6	56.2	54.2	43.7	40.7	16		25.0	543.0
20		8.5	54.8	52.8	41.8	38.8	20		25.0	542.0
25		9.5	53.3	51.3	39.8	36.8	25		24.3	541.2
31.25		10.7	51.9	49.9	37.9	34.9	31.25		23.6	540.4
62.5		15.4	47.4	45.4	31.9	28.9	62.5		21.5	538.6
100		19.8	44.3	42.3	27.8	24.8	100		20.1	537.6
200		29.0	39.8	37.8	21.8	18.8	200		18.0	536.5
250		32.8	38.3	36.3	19.8	16.8	250		17.3	536.3

Packaging Details	
Roll Size	305m / 1000ft - metre marked
Carton dimensions	330mm (W) x 265mm (D) x 340mm (H) / 13.0in (W) x 10.4in (D) x 13.4in (H)
Volume	0.03m ² / 1.05 cu. ft.
Gross weight	13.8kg / 30.4lbs

Part No:	Color	RAL Color Reference	Cable Type	Fire Rating	Gauge	Spool Length
K13002-305M-BL	Blue	RAL 5015	U/UTP	LSZH	24AWG	305m
K13002-305M-GN	Green	RAL 6018				
K13002-305M-PP	Purple	RAL4005				
K13002-305M-WH	White	RAL9003				
K13002-305M-YL	Yellow	RAL1018				
K13005-305M-BL	Blue	RAL 5015		UL CM		
K13005-305M-GN	Green	RAL 6018				
K13005-305M-PP	Purple	RAL4005				
K13005-305M-WH	White	RAL9003				
K13005-305M-YL	Yellow	RAL1018				

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