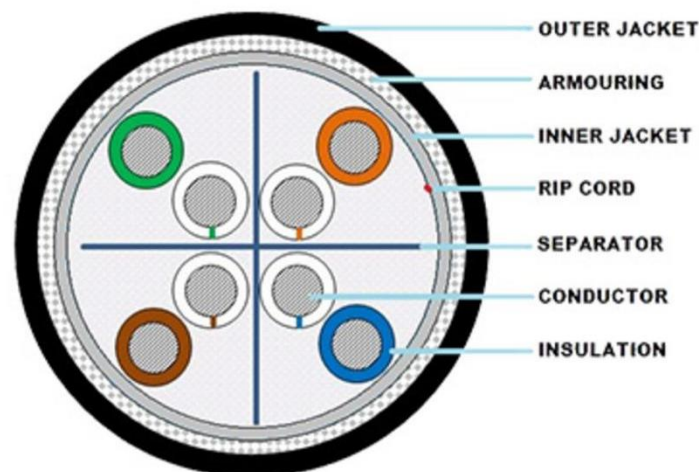


WC-2284K CAT 6A U/UTP ECCS ARMoured CABLE

WIAN provide an array of Cat6A U/UTP Cables with different conductor sizes, tailored to meet every Ethernet requirement. Our Cat 6 Cables boast compatibility with data rates of up to 10 Gbps, making them the prime selection for LAN/WAN Solutions. Each cable comprises 8 copper conductors, with 2 conductors intricately twisted to forge a pair. The amalgamation of 4 pairs, sheathed with FR grade material, ensures unparalleled performance and durability



- Cable Type : U/UTP
- Category : Cat6A
- No. of Pairs : 4



Physical Construction:

• Conductor Type	Solid Bare Electrolytic Grade Copper
• Conductor Size	23 AWG
• Insulation	Polyolefin
• Insulation Diameter	1.05 mm $\pm$ 0.05 mm
• Pairing	Twisted into two core
• Inner Sheath	LSZH
• Armoured Type	ECCS Tape (Corrugated)
• Tape Thickness	0.225 mm (0.05 + 0.125 + 0.05 mm) $\pm$ 0.015 mm
• Outer Sheath	PE with AR and UV Properties
• Outer Sheath Colour	Black
• Cable Diameter	10.0 mm $\pm$ 0.5 mm
• Printing	Each meter printed as per given details in PO

Electrical Properties:

• Conductor Resistance (Ω /km)	93.8 (Max)
• Mutual Capacitance (nF/100 M)	5.6 (Max)
• Resistance Unbalance (%)	5 (Max)
• Worst Delay Skew (ns/100 M)	$\leq$ 45
• NVP (%)	69
• Characteristic Impedance (Ω)	100 $\pm$ 15

Mechanical Properties:

• Bending Radius	≤ 20 x Cable Diameter
• Operating Temperature	-20 to +75 °C

Pair Identification Colour Code:

Pair#1-2	White	Orange	Orange
Pair#3-6	White	Green	Green
Pair#4-5	White	Blue	Blue
Pair#7-8	White	Brown	Brown

High Frequency Electrical Properties:

Frequency (MHZ)	IL dB	NEXT dB	PSNEXT dB	ACRF dB	PSACRF dB	RL dB
	Max	Min.	Min.	Min.	Min.	Min
1	2.3	65.0	62.0	63.3	60.3	19.0
4	4.2	63.0	60.5	51.2	48.2	19.0
8	5.8	58.2	55.6	45.2	42.2	19.0
10	6.5	56.6	54.0	43.3	40.3	19.0
16	8.2	53.2	50.6	39.2	36.2	18.0
20	9.2	51.6	49.0	37.2	34.2	17.5
25	10.2	50.0	47.3	35.3	32.3	17.0
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14.0
100	20.9	39.9	37.1	23.3	20.3	12.0
200	30.1	34.8	31.9	17.2	14.2	9.0
250	33.9	33.1	30.2	15.3	12.3	8.0
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6.0
500	49.3	26.1	23.2	9.3	6.3	6.0

Ref Standard:

- ANSI/TIA-568.2-D
- ISO/IEC 11801 2ND Edition

Packing Standard:

- Packing Style : Wooden Reel
- Packing Length : 305 meter

Approved by
Technical Head