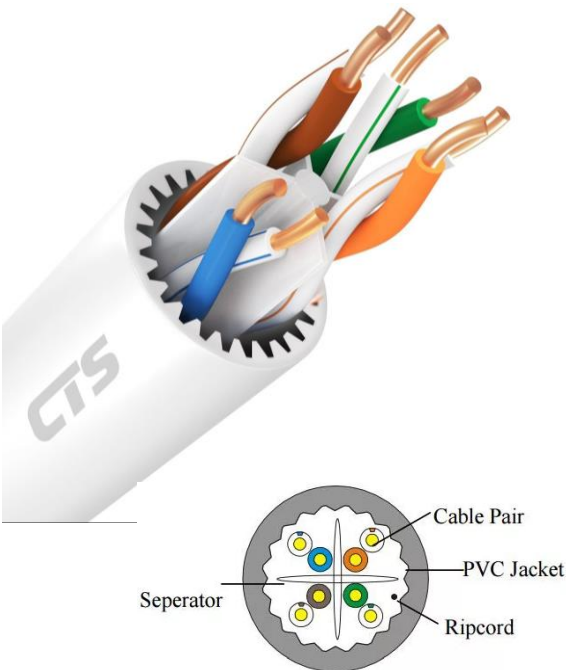


CCC6AUULSyy | Category 6A Cable U/UTP

23 AWG Low Smoke Zero Halogen



*Images are for representative purposes only

Product Description:

CTS Category 6A U/UTP Cables are designed to meet the increasing demands of networking applications those require 10 Gigabit Ethernet (10GBASE-T). These cables can deliver higher power levels and support PoE standards such as IEEE 802.3af, 802.3at, and 802.3bt for supporting advanced applications and collaborative environments.

Applications:

10 Gigabit Ethernet (10GBASE-T)
IEEE 802.3af/at/bt (PoE, PoE+, and PoE++)
Transmission parameters up to 500 MHz

Standards:

ANSI/TIA-568.2-D, EN 50173-1
EN 50173-2, EN 50288-11-1,
IEC 61156-5 and ISO/IEC 11801-1 CATEGORY 6A



Technical Specification:

Conductor Material	Solid Bare Copper	
Conductor Nominal Outer Diameter	0.565 ± 0.005 mm (23 AWG)	
Insulation Material	HDPE	
Insulation Diameter	1.02 ± 0.05 mm	
Sheath Thickness	0.70 ± 0.05 mm	
Cable Outer Diameter	7.1 ± 0.4 mm	
Outer Sheath	Low Smoke Zero Halogen (LSZH)	
Insulation Colour Coding	1 White- Blue /Blue	2 White-Orange /Orange
	3 White-Green /Green	4 White- Brown /Brown
Impedance	100 ± 15 Ω at 20°C (1-250 MHz)	
	100 ± 22 Ω at 20°C (250-500 MHz)	
Delay Skew	≤ 45 ns/100m at 20°C	
DC Resistance	9.38 Ω/100m max at 20°C	
DC Conductor Resistance Unbalance	5.0 % max at 20°C	

Version 01-01



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Nominal Velocity of Propagation (NVP)	69 %
Max. Pulling Force (N)	110 N
Min. Bend Radius during Installation	8 x Cable Diameter
Min. Bend Radius after Installed	4 x Cable Diameter
Installation Temperature Range	0 °C to +50 °C
Operating Temperature Range	-20 °C to +75 °C
Package Length	1000 Ft

Technical Performance:

Frequency (MHz)	RL (dB)	ATTN (dB)	NEXT (dB)	PSNEXT (dB)	ACR-F (dB)	PSACR-F (dB)	Phase Delay (ns)
1	20.0	2.1	74.3	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	58.8	49.7	46.7	546.7
10	25.0	5.9	59.3	57.3	47.8	44.8	545.4
16	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	25.0	8.4	54.8	52.8	41.8	38.8	542.1
25	24.3	9.4	53.3	51.3	39.8	36.8	541.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	540.4
62.5	21.5	15.0	47.4	45.4	31.9	28.9	538.6
100	20.1	19.1	44.3	42.3	27.8	24.8	537.6
200	18.0	27.6	39.8	37.8	21.8	18.8	536.5
250	17.3	31.1	38.3	36.3	19.8	16.8	536.3
300	16.8	34.3	37.1	35.1	18.3	15.3	536.1
500	15.2	45.3	33.8	31.8	13.8	10.8	535.6

Ordering Information:

- CCC6AUULSGY CTS Category 6A U/UTP 23 AWG LSZH Cable 305m Grey
- CCC6AUULSBU CTS Category 6A U/UTP 23 AWG LSZH Cable 305m Blue

Colour options - Replace (GY) in the part number with:
BK = Black, BU = Blue, GR = Green, WH = White, OR = Orange, RD = Red, VT = Violet, YL = Yellow
*Minimum Order Quantity will be applicable for colours other than Grey

