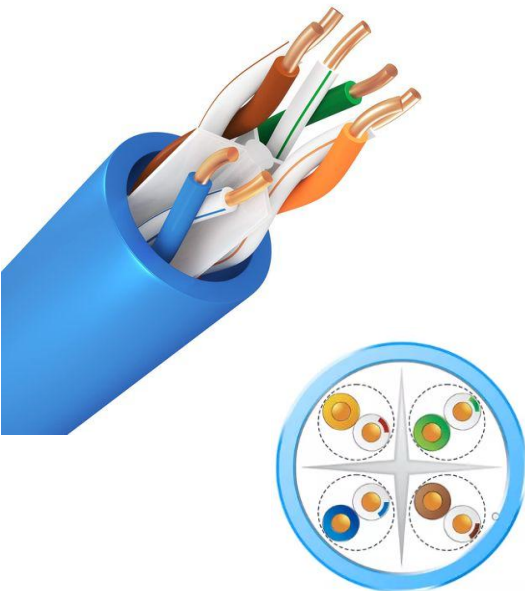


CCC6UUPV24yy | Category 6 Cable

U/UTP 24 AWG PVC



Product Description:

CTS Category 6 24AWG U/UTP Cables supports bandwidth suitable for high speed data transmission Gigabit Ethernet (10/100/1000BASE-T) networks up to 250 MHz allowing for greater data throughput and improved performance in high-speed networking applications.

Applications:

ANSI/TIA Category 6, ISO 11801 Class E
10/100/1000BASE-T
IEEE 802.3af/at/bt (PoE, PoE+, and PoE++)
Transmission parameters up to 250 MHz

Standards:

ANSI/TIA-568.2-D
ISO/IEC 11801-1

*Images are for representative purposes only

Technical Specification:

Conductor Material	Solid Bare Copper	
Conductor Nominal Outer Diameter	24 AWG	
Insulation Material	High Density Polyethylene (HDPE)	
Insulation Diameter	0.990 ± 0.05 mm	
Sheath Thickness	0.5 ± 0.05 mm	
Cable Outer Diameter	5.7 ± 0.3 mm	
Outer Sheath	Polyvinyl chloride (PVC)	
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	
Delay Skew	≤ 45 ns/100m at 20°C	
DC Resistance	9.8 Ω/100m max at 20°C	
DC Conductor Resistance Unbalance	5.0 % max at 20°C	

Version 01-08



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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	-15 °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	19.0	2.1	65.0	62.0	63.3	60.3	521
4	19.0	4.0	63.0	60.5	51.2	48.2	504
8	19.0	5.7	58.2	55.6	45.2	42.2	500
10	19.0	6.3	56.6	54.0	43.3	40.3	498
16	18.0	8.0	53.2	50.6	39.2	36.2	496
20	17.5	9.0	51.6	49.0	37.2	34.2	495
25	17.0	10.1	50.0	47.3	35.3	32.3	495
31.25	16.5	11.4	48.4	45.7	33.4	30.4	494
62.5	14.0	16.5	43.4	40.6	27.3	24.3	492
100	12.0	21.3	39.9	37.1	23.3	20.3	491
200	9.0	31.5	34.8	31.9	17.2	14.2	490
250	8.0	35.9	33.1	30.2	15.3	12.3	490

Ordering Information:

- CCC6UUPV24GY
- CTS Category 6 U/UTP 24 AWG PVC Cable 305m Grey
- CCC6UUPV24BU
- CTS Category 6 U/UTP 24 AWG PVC 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

