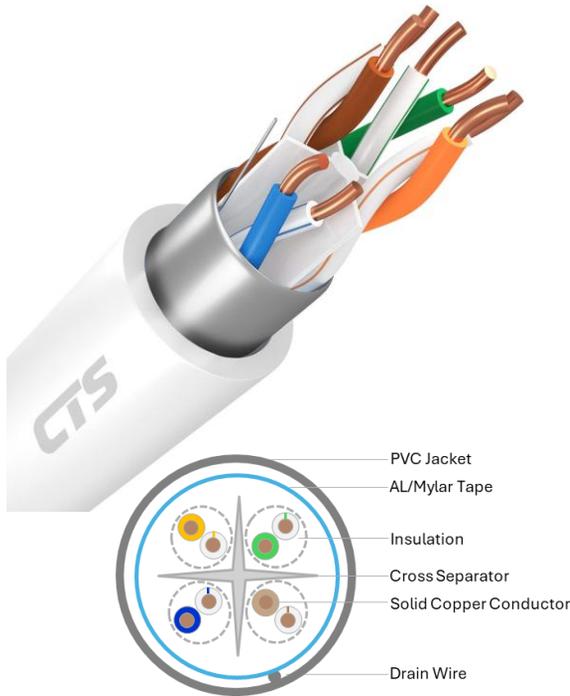


# CCC6AFUPVyy | Category 6A Cable F/UTP 23 AWG Polyvinyl Chloride



- PVC Jacket
- AL/Mylar Tape
- Insulation
- Cross Separator
- Solid Copper Conductor
- Drain Wire

\*Images are for representative purposes only

## Product Description:

CTS Category 6A F/UTP Cables are engineered to meet the growing demands of networking applications requiring 10 Gigabit Ethernet (10GBASE-T). These cables feature an overall foil shield design to provide enhanced protection against external EMI and alien crosstalk, ensuring superior signal integrity and reliable data transmission in high density 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



## Technical Specification:

Conductor Material	Solid Bare Copper		
Conductor Nominal Outer Diameter	0.560 ± 0.005 mm (23 AWG)		
Insulation Material	Polyolefin		
Insulation Colour Coding	1 White- Blue /Blue	2 White-Orange /Orange	
	3 White-Green /Green	4 White- Brown /Brown	
Screening Material	Overall Al / Mylar		
Drain Wire	Solid Annealed Tinned Copper		
Cable Outer Diameter	6.6 ± 0.3 mm		
Outer Sheath	Polyvinyl Chloride (PVC)		
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 01-08



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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	-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)
1	19.0	2.3	65.0	62.0	63.3	60.3
4	19.0	4.2	63.0	60.5	51.2	48.2
8	19.0	5.8	58.2	55.6	45.2	42.2
10	19.0	6.5	56.6	54.0	43.3	40.3
16	18.0	8.2	53.2	50.6	39.2	36.2
20	17.5	9.2	51.6	49.0	37.2	34.2
25	17.0	10.2	50.0	47.3	35.3	32.3
100	12.0	20.9	39.9	37.1	23.3	20.3
200	9.0	30.1	34.8	31.9	17.2	14.2
250	8.0	33.9	31.7	30.2	15.3	12.3
400	7.3	37.4	33.1	28.8	13.7	10.7
300	6.0	43.7	28.7	25.8	11.2	8.2
500	6.0	49.3	26.1	23.2	9.3	6.3

## Ordering Information:

**CCC6AFUPVGY**      CTS Category 6A F/UTP 23 AWG PVC Cable 305m Grey

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

