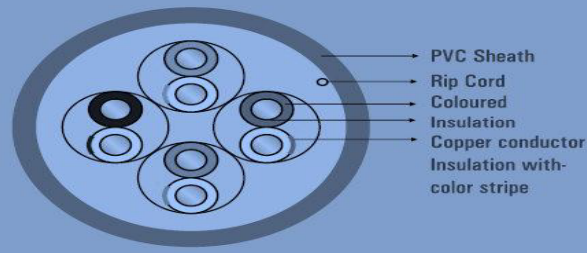


WILLETT CAT5e UTP CABLE - TECHNICAL DATA SHEET

CROSS SECTION

Willett[®]



COLOUR CODE

Pair 1	White - Blue		
Pair 2	White - Orange		
Pair 3	White - Green		
Pair 4	White - Brown		

SPECIFICATIONS

Category	5e UTP Solid cable		
Conductor	25 AWG Solid Bare Copper		
Conductor Meta	Bare Copper		
Insulation Material	HD - PE		
Insulation Diameter	0.95 (+/- .05mm Tolerance)		
Drain Wire	25AWG (0.455 ±0.007mm)		
Material	PVC - GREY / PE - BLACK		
Cable Diameter	5.2mm ± 0.2MM Nominal		

ELECTRICAL CHARECTRISTICS

Conductor Resistance	13.5 Ω /100m		
Charectriastic Impediance	100 ± 15 Ω		
Mutual Capacitance	Max. 5.0 nF/100m		
Insulation Ressistance	100 M Ω		
Operating Voltage	72V		

MECHANICAL PROPERTIES

Bending Radius	< 25.4mm at -20 °C = 1 °C		
Operating Temperature	-20 °C to +60 °C		

TRANSMISSION TECHNICAL DATA /100Mtr

Freq (MHz)	Attenuation (dB/100m)	NEXT (dB)	
	Max.	Min.	
1	3	62	
4	6	53	
10	10	47	
16	12	44	
20	14	42	
31.25	18	40	
100	30	32	

WILLETT PRODUCTS RANGE IN CABLES : UTP Cables / Optical Fiber Cables / RF Cables / HDMI Cables / Audio - Video Cables