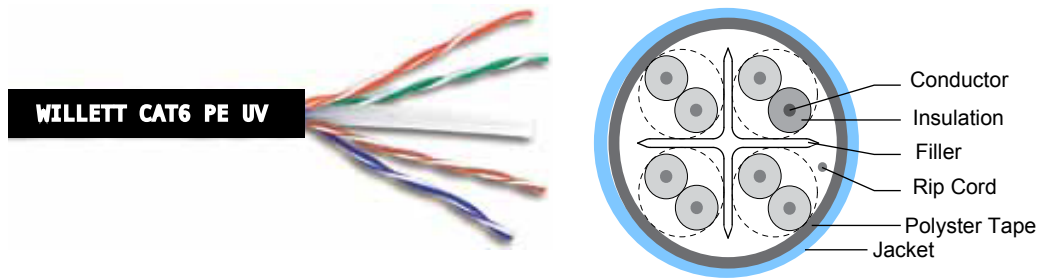


CAT 6 U/UTP Cables



TECHNICAL DATASHEET

Reference standards	ANSI/TIA 568-C.2 & ISO/ IEC11801
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CONSTRUCTION

Cable	
Conductor	Solid Bare Copper
AWG	23 (.53mm +/- .01)
Insulation	PE
Average Thickness (mm)	0.19mm
Insulation Diameter (± 0.10 mm)	0.95 \pm 0.05 mm
Filler	PE
Jacket	PE UV
Average Jacket Thickness (± 0.05 mm)	0.50
Outer Diameter (± 0.2 mm)	6MM
Rip Cord	YES

ELECTRICAL CHARECTRISTICS

Freq. (MHz)	Insertion Loss Max. (dB)	NEXT (dB) Min.	PSNEXT (dB) Min.	ACR-N (dB) Min.	PS ACR-N (dB) Min.	ACR-F (dB) Min.	PS ACR-F (dB) Min.	RL (dB)
1	1.9	65	62	62	59	64.2	61.2	19.1
4	3.5	64.1	61.8	60.6	58.3	52.1	49.1	21
8	5	59.4	57	54.4	52.1	46.1	43.1	21
10	5.5	57.8	55.5	52.3	49.9	44.2	41.2	21
16	7	54.6	52.2	47.6	45.2	40.1	37.1	20
20	7.9	53.1	50.7	45.2	42.8	38.2	35.2	19.5
25	8.9	51.5	49.1	42.7	40.2	36.2	33.2	19
31.25	10	50	47.5	40	37.6	34.3	31.3	18.5
62.5	14.4	45.1	42.7	30.8	28.3	28.3	25.3	16
100	18.6	41.8	39.3	23.3	20.7	24.2	21.2	14
200	27.4	36.9	34.3	9.6	7	18.2	15.2	11
250	31.1	35.3	32.7	4.2	1.6	16.2	13.2	10

Input Impedance	100 \pm 6 Ω @ 1-250 MHz
Delay Skew	<45ns /100mtr
DC Resistance Unbalanced (%)	<5
Conductor DC Resistance 20 °C (Ohms/Km)	\leq 9.38 Ω /100m Max.
Nominal Velocity of Propagation (NVP)	69%

ENVIRNMENTAL SPECIFICATIONS

Operating Temperature	-20 °C to +70 °C
Storage Temperature	20 °C to +70 °C