



UTPCAT6 23AWG SOLID
BC UL LISTED

UTPCAT6



PERFORMANCE

Frequency (MHz)	RL (dB)	Attenuation (dB/100m)		NEXT (dB)	ACR (dB)
	min.	max			
1	20.0	2.02		74.30	72.28
4	23.0	3.78		65.27	61.49
8	24.5	5.32		60.75	55.43
10	25.0	5.95		59.30	53.35
16	25.0	7.55		56.24	48.68
20	25.0	8.47		54.78	46.31
25	24.3	9.51		53.33	43.83
31.25	23.6	10.67		51.88	41.20
62.5	21.5	15.38		47.36	31.98
100	20.1	19.80		44.30	24.50
250	17.3	32.84		38.33	5.48

Frequency (MHz)	ELFEXT (dB)	PSNEXT (dB)	PSELFEXT (dB/100m)	Impedance (Ohm)
	1	67.80	72.30	
4	55.76	63.27	52.76	
8	49.74	58.75	46.74	
10	47.80	57.30	44.80	
16	43.72	54.24	40.72	
20	41.78	52.78	38.78	
25	39.84	51.33	36.84	
31.25	37.90	49.88	34.90	
62.5	31.88	45.36	28.88	
100	27.80	42.30	24.80	
250	19.80	36.30	16.80	

Characteristics

Max. Conductor DC Resistance at 20°C (Ω/Km)	<93.8
Rated Temperature (°C)	75
Rated Voltage (V)	300V
Velocity ratio	65%

SPECIFICATIONS

UTPCAT6	
PRODUCT DESCRIPTION	
Application	Horizontal Wiring in LAN CABLE
Reference Standard	ISO/IEC 11801 TIA/EIA568B
Multi-construction	4 Pairs (8 Cores)
CABLE CONSTRUCTION	
Conductor	Solid Bare Copper
AWG	23
Conductor Diameter	0.550 ± 0.005mm
Insulation	Solid PE
Thickness	AVG: 0.24mm, MIN: 0.22mm
Insulation Diameter	1.02 ± 0.02mm
Polyester	No
Filler	PE:4.8*0.4mm
AL/Pet	No
Drain Wire	No
Rip Cord	Yes
Jacket	PVC, UL CM
Thickness	AVG: 0.55mm, Min: 0.5mm
Outer Diameter	6.1±0.30mm
Jacket Color	Gray
COLOR	
Insulation Color	Blue, White/Blue Orange, White/Orange Green, White/Green Brown, White/Brown

* Design & specifications subject to change without prior notice

DIAGRAM

