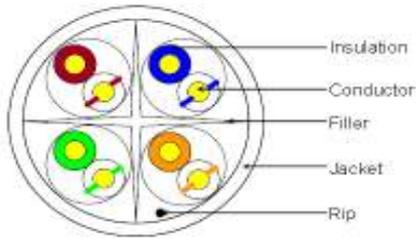


M-SERIES CATEGORY CAT6 UTP CABLE, 4-PAIR



General Specifications								
Applications	10BASE-T, 100BASE-TX, 1000BASE-T							
Standards	ISO/IEC 11801, TIA/EIA 568C, UL444							
POE	IEE 803af, IEE803.at							
Conductor	0.53mm Solid Bare Copper							
Pair Count	4 Twisted Pair							
Insulation Material	PE							
Insulation Thickness (mm)	0.23							
Jacket Material	PVC							
Jacket Thickness (mm)	0.50							
Outer Diameter (mm)	6.0 ± 0.2 mm							
Electrical Characteristics		Unit		Value				
Nom. Impedance (1-100 Mhz)		Ω		100 ±15				
Delay Skew (1-100 Mhz)		ns/100m		<=45				
Pair to Ground Capacitance Unbalance		pF/100m		<= 330				
Max. Conductor DC Resistance 20oC		Ω/100m		9.38				
Resistance Unbalance		%		<=5				
Test Material				PVC				
Tensile Strength		Mpa		>=13.0				
Elongation		%		>=105				
Cold Bend (-20 ± 2°C x 4hrs)				No Crack				
Thermal Shock Test		150°C		No Crack				
Electrical & Physical Properties								
FREQ.	ATTN.	NEXT	ACR	RL	PS NEXT	Delay	ELFEXT	PS ELFEXT
MHz	dB/100m	dB	dB/100m	dB	dB	ns/100m	dB	dB
1	2.02	74.30	72.28	20.00	72.30	570	67.80	64.80
4	3.78	65.27	61.49	23.01	63.27	552	55.76	52.76
10	5.95	59.30	53.35	25.00	57.30	545	47.80	44.80
16	7.55	56.24	48.68	25.00	54.24	543	43.72	40.72
20	8.47	54.78	46.31	25.00	52.78	542	41.78	38.78
31.25	10.67	51.88	41.20	23.64	49.88	540	37.90	34.90
62.5	15.38	47.36	31.98	21.54	45.36	539	31.88	28.88
100	19.80	44.30	24.50	20.11	42.30	538	27.80	24.80
250	32.84	38.33	5.48	17.30	36.30	536	19.80	16.80
Ordering Informations								
Product Number	Colour	Put-up	Weight (Kg)					
ALK_301-MS6008-00XX	XX - Colour	1,000 Feet/Box	13.00					