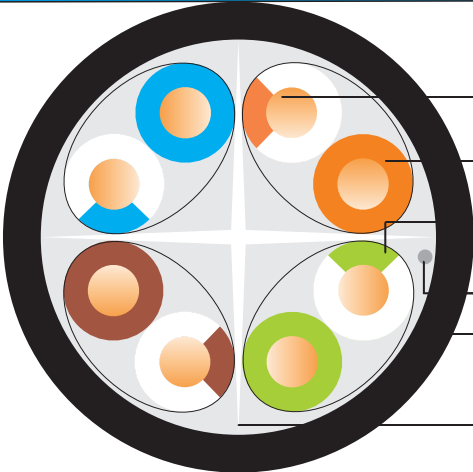


UTP Category 6 Outdoor (LTAC6250B-CMX)

Cross-Section					Packaging				
									
Sheath Printing				Maximum Referenced Frequency					
CAT6 UTP OUTDOOR EIA / TIA-568-C.2 4 PR 23 AWG CMX UV RESISTANT ROHS COMPLIANT S1747 xxxx FT				250 MHz					
Reference Standards		Physical Characteristics							
YD / T1019-2013		Test items				Copper Conductor			
ANSI / TIA-568B-C.2		Tensile Strength (Mpa)				≥ 200			
ISO / IEC11801 IEC61156.5 UI444, CE,		Elongation				≥ 1 5%			
RoHS		Test Items				Insulation			
Cable Construction		Unaged				≥ 1 0			
Conductor	Solid Oxygen-free Copper	Elongation				≥ 3 00%			
Number of Pairs	4	Aging Conditions (° C) PVC				100 ± 2° C x 168 h			
Conductor OD	23 AWG 0.56 (+/-0.005) mm	Aged	Tensile Strength Change Rate			≤ Before aging ± 20%			
Insulation Material	HDPE		Variation of Elongation at Break			≤ Before aging ± 20%			
Insulation OD	1.02 (+/-0.03) mm	Changes in the Value of Thermal Shrinkage (100° C ± 2, 1 h, %)					≤ 5		
Sheath Material	LLDPE (UV Resistant) 0.55	Cold Bending (-40 ± 2° C, 1 Hour, 6 mm)					No Cracking		
Sheath Thickness	(+/-0.05) mm	Test Items			Sheath				
Sheath OD	6.2 (+/-0.05) mm								
Operating Temperature	-4 - 140° F (-20° - 60° C)	Unaged			≥1 9.0				
Lay Length (mm)	≤ 30	Elongation			≥ 6 00%				
Cable Make up Length (mm)	≤ 140								
Net Weight	11 kg / 305 m	Aging Conditions (° C)					100 ± 2° C × 168 h		
Pair Colors									
P1	Blue, White / Blue	Aged	Tensile Strength Change Rate			≤ Before aging ± 20%			
P2	Orange, White / Orange								
P3	Green, White / Green		Variation of Elongation at Break			≤ Before aging ± 20%			
P4	Brown, White / Brown								
Performance Parameters: FLUKE Permanent Link Test									
Frequency	Propagation	Attenuation	TCL (Min)	EL TCL (Min)	NEXT (Min)	PS NEXT	EL FEXT (Min)	PS EL FEXT	RL (Min)
	m/s	dB	dB	dB	dB	dB	dB/100m	dB/100m	dB
4	≥ 0.604C	3.8	44	23	66.3	63.3	56	53	23
8	≥ 0.610C	5.3	41	16.9	61.8	58.8	49.9	46.9	24.5
10	≥ 0.612C	6	40	15	60.3	57.3	48	45	25
16	≥ 0.614C	7.6	38	10.9	57.2	54.2	43.9	40.9	25
20	≥ 0.615C	8.5	37	9	55.8	52.8	42	39	25
25	≥ 0.616C	9.5	36	7	54.3	51.3	40	37	24.3
31.25	≥ 0.617C	10.7	35.1	–	52.9	49.9	38.1	35.1	23.6
62.5	≥ 0.618C	15.4	32	–	48.4	45.4	32.1	29.1	21.5
100	≥ 0.619C	19.8	30	–	45.3	42.3	28	25	20.1
200	≥ 0.620C	29	27	–	40.8	37.8	22	19	18
250	≥ 0.622C	32.8	26	–	39.3	36.3	20	17	17.3