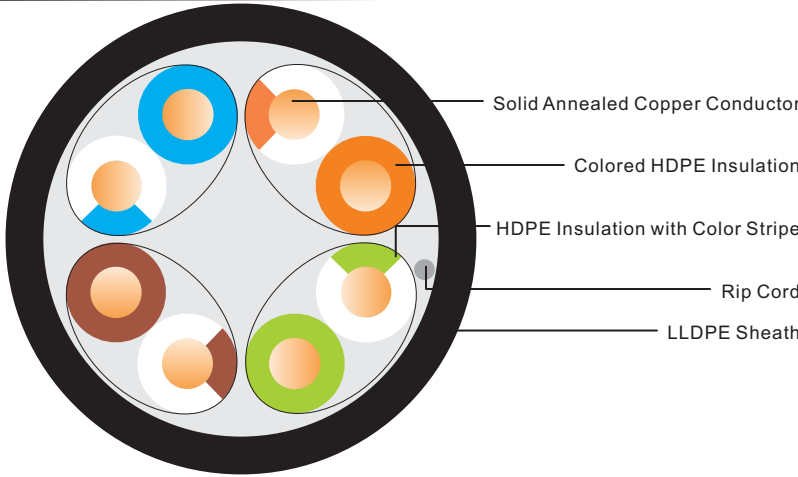



UTP Category 5e Outdoor(LTAC5100B-CMX)

Cross-Sectional View	Packing
	

Sheath Printing	Maximum Referenced Frequency
CAT5E UTP OUTDOOR EIA/TIA-568-C.2 4PR 24AWG CMX UV RESISTANT ROHS COMPLIANT S1747 xxxx FT	100 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	Elongation (%)		≥ 15
UI444, CE, RoHS	Test Items		Insulation
Cable Construction		Unaged	
Conductor	Solid Oxygen-free Copper	Elongation (%)	
Number of Pairs	4P	Aging Conditions (° C) PVC	
Conductor OD	24AWG 0.48 (+/-0.005)mm	Aged	Tensile Strength Change Rate
Insulation Material	HDPE		Variation of Elongation at Break
Insulation OD	0.88(+/-0.03)mm	Changes in the Value of Thermal Shrinkage (100°C ±2, 1h, %)	
Sheath Material	LLDPE (UV Resistant)	Cold Bending (-40±2°C, 1Hour, 6mm)	
Sheath Thickness	0.55 (+/-0.05)mm	Test Items	
Sheath OD	5.1 (+/-0.05)mm		
Operating Temperature	-20°C to 60°C	Unaged	
Lay Length (mm)	≤30	Elongation (%)	
Cable Make up Length (mm)	≤140	Aging Conditions (° C)	
Net Weight	7.5kg/305m	100±2°C ×168h	
Pair Colors			
P1	Blue, White/Blue	Aged	Tensile Strength Change Rate
P2	Orange, White/Orange		
P3	Green, White/Green		Variation of Elongation at Break
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)
MHZ	m/s	dB	dB	dB	dB	dB	dB/100m	dB/100m	dB
4	≥0.604C	4.1	44	23	56.3	53.3	52	49	23
8	≥0.610C	5.8	41	16.9	51.8	48.8	45.9	42.9	24.5
10	≥0.612C	6.5	40	15	50.3	47.3	44	41	25
16	≥0.614C	8.2	38	10.9	47.2	44.2	39.9	36.9	25
20	≥0.615C	9.3	37	9	45.8	42.8	38	35	25
25	≥0.616C	10.4	36	7	44.3	41.3	36	33	24.3
31.25	≥0.617C	11.7	35.1	/	42.9	39.9	34.1	31.1	23.6
62.5	≥0.618C	17	32	/	38.4	35.4	28.1	25.1	21.5
100	≥0.619C	22	30	/	35.3	32.3	24	21	20.1