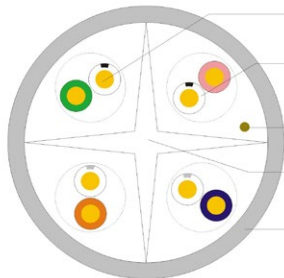


## 101-512-ORG CAT6 CABLE ORANGE 305M

Test Standard		ANSI/TIA-568-C.2、ISO / IEC 11801、IEC 61156、BS EN 50288					
Physical Parameters							
Conductor	Material	Solid Bare Copper		 <div>Conductor</div> <div>HDPE Insulation</div> <div>Ripcord</div> <div>Separator</div> <div>Jacket</div>			
	Diameter（mm）	0.530±0.005					
Insulation	Material	HDPE					
	Diameter（mm）	0.96±0.05					
Core color	1.white-blue/blue	2.white-orange/orange					
	3.white-green/green	4.white-brown/brown					
Seperator	PE						
Polyester	YES						
Sheath	Material	PVC					
	Thickness（mm）	0.50±0.05					
	Diameter（mm）	6.2 ±0.3					
	Color	Orange RAL2003					
Surface printing	Letter high（mm）	3.0 ± 0.5					
	Color	White					
	Print error & Space	≤± 0.5% ， 1m					
Electrical Parameters							
Conductor Resistance (20℃)				≤8.3 Ω/ 100m			
Electrical Resistance Unbalance ( 20℃)				≤2.5 %			
Insulation Resistance				>5000 MΩ·km			
Mutual capacitance of a pair				≤5.6nF/100m			
Technical Performance							
Feq MHZ	Zc	IL	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT
	Ω	dB/100m	dB	dB/100m	dB/100m	dB/100m	dB/100m
1.0	100±15	≤2.0	≥20.0	≥74.3	≥72.3	≥67.8	≥64.8
4.0		≤3.8	≥23.0	≥65.3	≥63.3	≥55.8	≥52.8
8.0		≤5.3	≥24.5	≥60.8	≥58.8	≥49.7	≥46.7
10.0		≤6.0	≥25.0	≥59.3	≥57.3	≥47.8	≥44.8
16.0		≤7.6	≥25.0	≥56.2	≥54.2	≥43.7	≥40.7
20.0		≤8.5	≥25.0	≥54.8	≥52.8	≥41.8	≥38.8
25.0		≤9.5	≥24.3	≥53.3	≥51.3	≥39.8	≥36.8
31.25		≤10.7	≥23.6	≥51.9	≥49.9	≥37.9	≥34.9
62.5		≤15.4	≥21.5	≥47.4	≥45.4	≥31.9	≥28.9
100		≤19.8	≥20.1	≥44.3	≥42.3	≥27.8	≥24.8
200		≤29.0	≥18.0	≥39.8	≥37.8	≥21.8	≥18.8
250		≤32.8	≥17.3	≥38.3	≥36.3	≥19.8	≥16.8
Environment Temperature							
Store		0~40℃		Work		-20 ~ 60℃	
Remark							
a) The cable passes fluke test.							
b) Insulation Outer Diameter and Sheath Outer Diameter are for reference only.							