

# FLAT CABLE

## ZR71xx SERIES

### UL & CSA GRADE:

UL STYLE : 20029  
Rate temperature : 105°C  
Rate voltage : 300V  
Flame Test : VW-1

CSA STYLE : C22.2 No.210.2  
Rate temperature : 105°C  
Rate voltage : 300V  
Flame Test : FT1,FT2

### CONDUCTOR:

Stranded

AWG size : 28 AWG  
Number of strands in each conductor : 7/0.127mm  
Lay of strands in each conductor : 0.5 inch at least  
Cross sec. area : 156mil

### INSULATION :

Material of insulation : polyvinyl chloride (PVC) ten colors available  
Extruded PVC insulated singles bonded together  
Insulation thickness average : 9mil  
Min. insulation thickness : 7mil

1. BROWN
2. RED
3. ORANGE
4. YELLOW
5. GREEN
6. BLUE
7. PURPLE
8. GRAY
9. WHITE
10. BLACK

### PHYSICAL PROPERTIES:

after 7 days air oven at 136°C

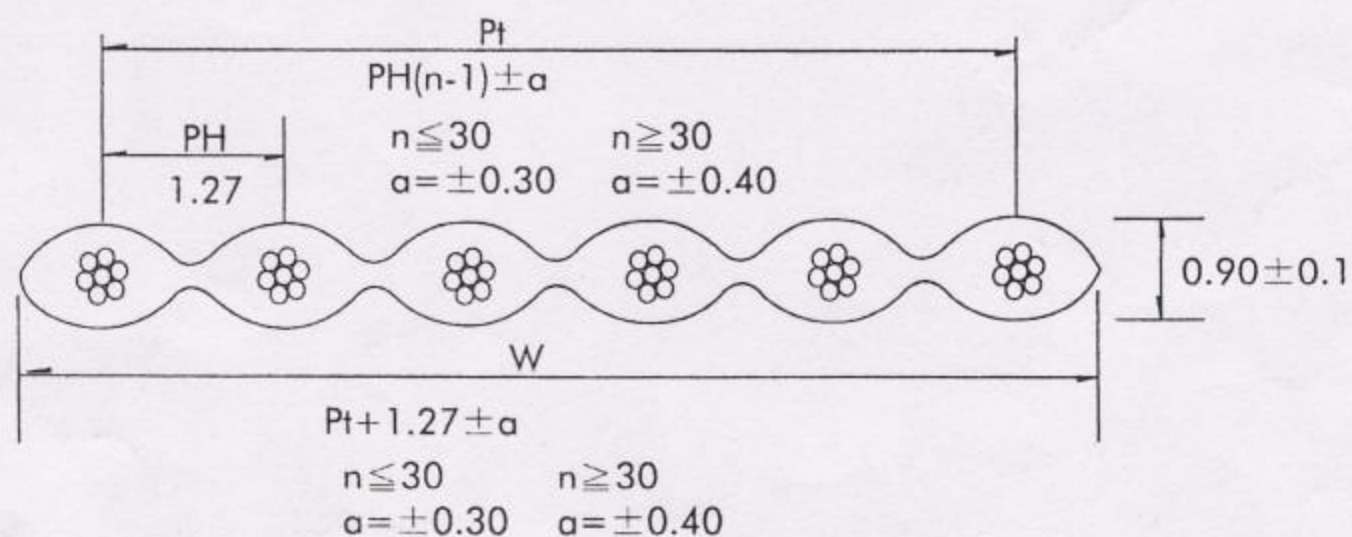
Average tensile strength : 1500 lbs/inch<sup>2</sup>  
Percent of original : 70% at least  
Average elongation : 200%  
Percent of original : 65% at least

### ELECTRONIC CHARACTERISTICS :

Spark test : 2500V  
Dielectric strength test : min. 2 KV in  
1 minute  
Conductor resistance : Max. 237 Ω/km  
Insulation resistance : Min. 100MΩ/km

Capacity : 45pF/m  
Inductance : 1.5 μH/m  
Impedance : 100Ω  
Propagation Delay Time : 4.2ns/m

### CONSTRUCTION DRAWING :



### USAGE :

Internal connection for computer, duplicator, facsimile, game, interface and many other electronic equipments.

# FLAT CABLE

## ZR71xx SERIES

### SAMPLES



### CONSTRUCTION TABLE :

Code No.	Number of cores	Size of conductor		Thickness (mm $\pm$ 0.1)	Width (mm)	Allowable error (mm)
		(AWG)	Composition (strands/mm)			
ZR7108	8	28	7/0.127	0.9	10.16	$\pm$ 0.30
ZR7110	10	28	7/0.127	0.9	12.70	$\pm$ 0.30
ZR7114	14	28	7/0.127	0.9	17.78	$\pm$ 0.30
ZR7115	15	28	7/0.127	0.9	19.05	$\pm$ 0.30
ZR7116	16	28	7/0.127	0.9	20.32	$\pm$ 0.30
ZR7120	20	28	7/0.127	0.9	25.40	$\pm$ 0.30
ZR7125	25	28	7/0.127	0.9	31.75	$\pm$ 0.30
ZR7126	26	28	7/0.127	0.9	33.02	$\pm$ 0.30
ZR7130	30	28	7/0.127	0.9	38.10	$\pm$ 0.30
ZR7134	34	28	7/0.127	0.9	43.18	$\pm$ 0.40
ZR7136	36	28	7/0.127	0.9	45.72	$\pm$ 0.40
ZR7140	40	28	7/0.127	0.9	50.80	$\pm$ 0.40
ZR7150	50	28	7/0.127	0.9	63.50	$\pm$ 0.40
ZR7160	60	28	7/0.127	0.9	76.20	$\pm$ 0.40
ZR7164	64	28	7/0.127	0.9	81.28	$\pm$ 0.40