

## FLAT CABLE WRM635S

### UL GRADE:

UL STYLE : 2678  
 Rate temperature : 105°C  
 Rate voltage : 150.V  
 Flame Test : VW-1

### CONDUCTOR:

**Stranded**

AWG size : 30 AWG.  
 Number of stranded in each conductor : 7/0.102 mm.  
 Lay of strands in each conductor : 0.5 inch at least.  
 Cross sec. area : 98 mil.

### INSULATION:

Material of insulation: polyvinyl chloride (PVC) red, white, and blue  
 Insulation thickness average: 7 mil.  
 Min. insulation thickness: 6 mil.  
 A red insulation core is provided at one end for identification,  
 And a white insulation core is provided at every even number cores.  
 And a blue insulation core is provided at every uneven number cores.

### PHYSICL PROPERTIES:

**after 7 days air oven at 136°C**

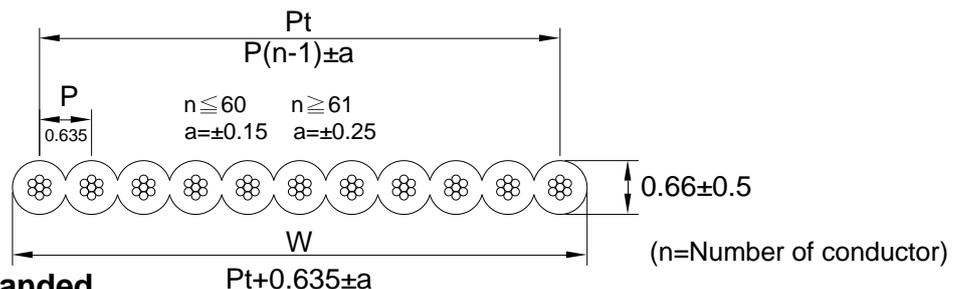
Average tensile strength:1500 lbs/inch<sup>2</sup>.  
 Percent of original: 70% at least.  
 Average elongation: 200%.  
 Percent of original: 65% at least.

### ELECTRONIC CHARACTERISTICS:

Spark test : 1500V  
 Dielectric strength test : Min. 1500 V in 1 minute.  
 Conductor resistance : Max. 377 Ω/km.  
 Insulation resistance : Min. 100MΩ.

Capacity : 80pF/m.  
 Inductance : 1.0μH/m.  
 Impedance: 105Ω.  
 Propagation Delay Time : 5.6ns/m

### CONSTRUCTION DRAWING:



### USAGE:

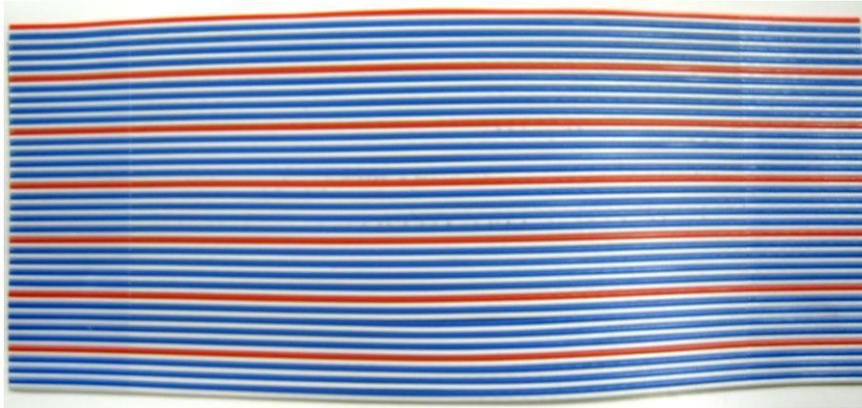
**Stranded**

Internal connection in computers, duplicators, fax machines, electronic games, interface cards and many other electronic equipment and devices.

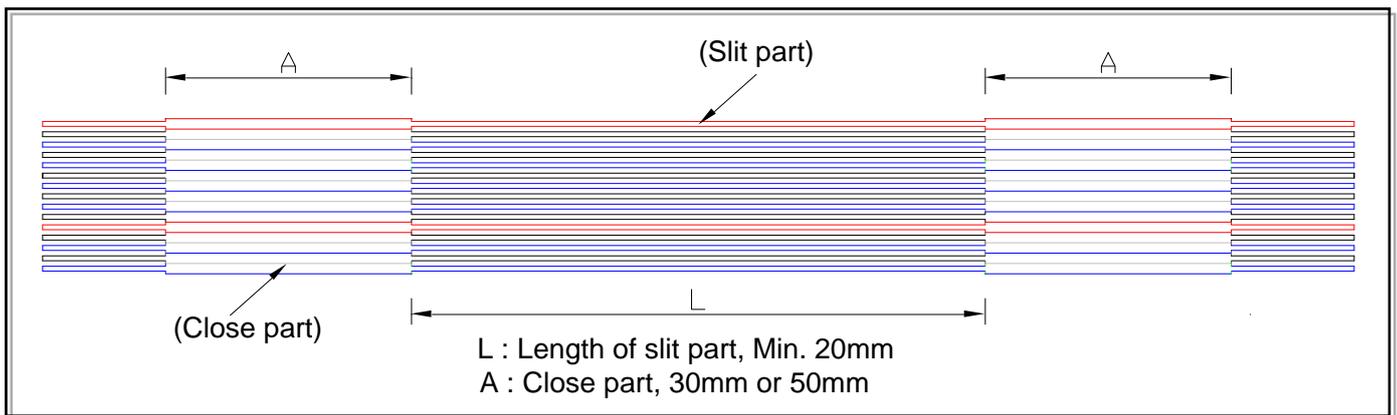
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### SAMPLES:



### CONSTRUCTION DRAWING:



### CONSTRUCTION DRAWING:

Code No.	Number of cores	Size of conductor		Thickness (mm±0.1)	Width (mm)	Allowable error
		(AWG)	Composition (strands/mm)			
WRM-30	30	30	7/0.102	0.66	19.05	±0.15
WRM-68	68	30	7/0.102	0.66	43.18	±0.15
WRM-80	80	30	7/0.102	0.66	50.80	±0.15