

## Spectra Flat Cable

✦

Rate temperature : 105°C  
Rate voltage : 300V  
Flame test : VW-1<sup>i</sup>

Rate temperature : 105°C  
Rate voltage : 300V  
Flame test : FT1,FT2

### ✦ **CONDUCTOR : Stranded**

AWG size: 30 AWG  
Number of strands in each conductor: 7/0.127mm.  
Lay of strands in each conductor: 0.5 inch at least  
Cross section area: 156 mil

### ✦ **INSULATION :**

Material of insulation: polyvinyl chloride (PVC) gray  
Insulation thickness average: 9mil.  
Minimum insulation thickness: 7mil.

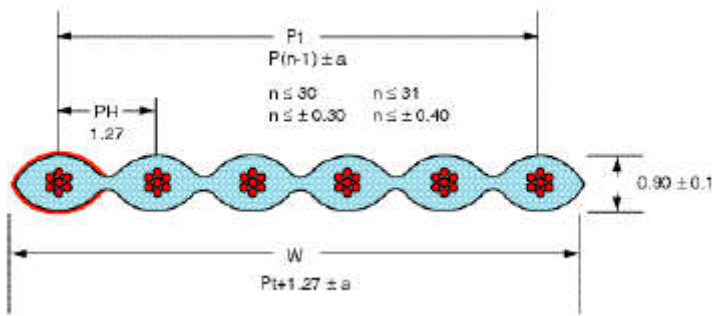
### ✦ **PHYSICAL PROPERTIES :** After 7 days air oven at 136°C

Average tensile strength : 1500 lbs/<sup>inch</sup><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 : Minimum 2 KV in 1 minute  
Conductor resistance : Maximum 237 $\Omega$ /km  
Insulation resistance : Minimum 100 M $\Omega$ /km  
Capacity : 44pF/m (G-S-G)  
Inductance : 1.45 $\mu$ H/m  
Characteristic Impedance : 105 $\Omega$  G-S-G)  
Propagation delay time : 4.2 ns/m

» **CONSTRUCTION DRAWING:**



Specification: (N=Number of conductors)

» **USAGE :**

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

» **SAMPLE :**

