

## HFS Flat Cable

### ✧UL&CSA GRADE :

UL STYLE:2651

Rate temperature : 105°C

Rate voltage : 300V

Flame test : VW-1

CSA Standard : 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 section area : 156 mil.

### ✧INSULATION :

Mater ial of insulation : polyvinyl chlor ide(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/inch<sup>2</sup>

Percent of or iginal : 70% at least

Average elongation : 200%

Percent of or iginal : 65% at least

### ✧ELECTRONIC CHARACTERISTICS :

Spark test : 2500V

Dielectric strength test : Minimum 2 KV in 1 minute

Conductor resistance : Maximum 237Ω /km

Insulation resistance : Minimum 100 MΩ-km

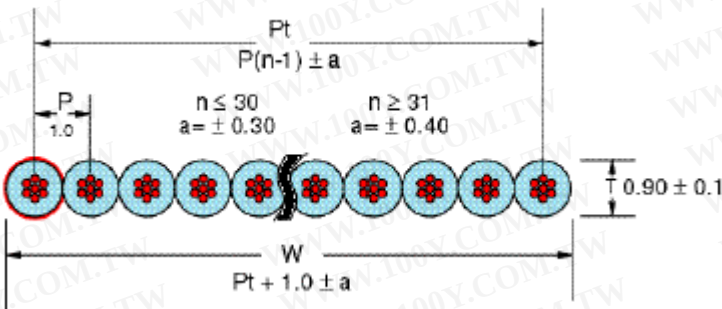
Capacity : 56 pF/m (G-S-G)

Inductance : 1.45μH/m

Character istic Impedance : 90Ω (G-S-G)

Propagation delay time : 4.65 ns/m

✧CONSTRUCTION DRAWING:

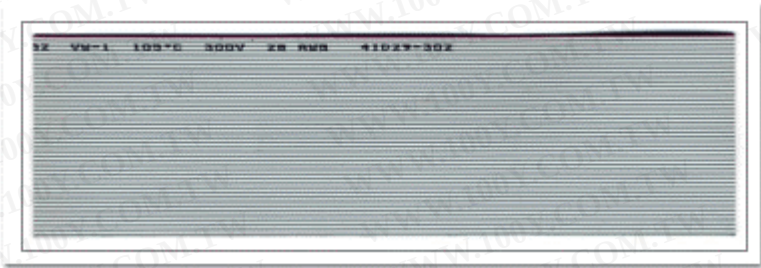


Specification:(N=Number of conductors)

✧USAGE :

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

✧SAMPLE :



✧CONSTRUCTION TABLE

|        |    | Size of conductor |         |     |    |            |
|--------|----|-------------------|---------|-----|----|------------|
|        |    |                   |         |     |    |            |
| HFS-26 | 26 | 28                | 7/0.127 | 0.9 | 26 | $\pm 0.30$ |
| HFS-34 | 34 | 28                | 7/0.127 | 0.9 | 34 | $\pm 0.40$ |
| HFS-40 | 40 | 28                | 7/0.127 | 0.9 | 40 | $\pm 0.40$ |
| HFS-44 | 44 | 28                | 7/0.127 | 0.9 | 44 | $\pm 0.40$ |
| HFS-50 | 50 | 28                | 7/0.127 | 0.9 | 50 | $\pm 0.40$ |
| HFS-60 | 60 | 28                | 7/0.127 | 0.9 | 60 | $\pm 0.40$ |
| HFS-64 | 64 | 28                | 7/0.127 | 0.9 | 64 | $\pm 0.40$ |
| HFS-68 | 68 | 28                | 7/0.127 | 0.9 | 68 | $\pm 0.40$ |

|        |    |    |         |     |    |        |
|--------|----|----|---------|-----|----|--------|
| HFS-25 | 25 | 28 | 7/0.127 | 0.9 | 25 | ± 0.30 |
| HFS-26 | 26 | 28 | 7/0.127 | 0.9 | 26 | ± 0.30 |
| HFS-34 | 34 | 28 | 7/0.127 | 0.9 | 34 | ± 0.40 |
| HFS-40 | 40 | 28 | 7/0.127 | 0.9 | 40 | ± 0.40 |
| HFS-44 | 44 | 28 | 7/0.127 | 0.9 | 44 | ± 0.40 |
| HFS-50 | 50 | 28 | 7/0.127 | 0.9 | 50 | ± 0.40 |
| HFS-60 | 60 | 28 | 7/0.127 | 0.9 | 60 | ± 0.40 |
| HFS-64 | 64 | 28 | 7/0.127 | 0.9 | 64 | ± 0.40 |
| HFS-68 | 68 | 28 | 7/0.127 | 0.9 | 68 | ± 0.40 |

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