

HF Flat Cable

✧UL&CSA GRADE :

UL STYLE:2651

CSA Standard : C22.2 No. 210.2

Rate temperature : 105° C

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Rate voltage : 300V

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Flame test : VW-1

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 :

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/inch²

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 Ω /km

Insulation resistance : Minimum 100 M Ω -km

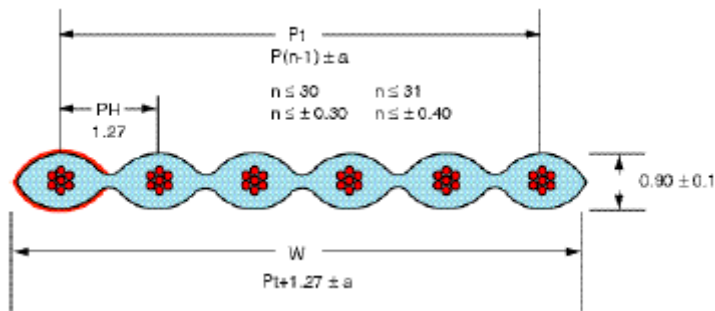
Capacity : 44pF/m (G-S-G)

Inductance : 1.45 μ H/m

Characteristic Impedance : 105 Ω (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 :



❖ CONSTRUCTION TABLE

Code No.	Number of Cores	Size of conductor		Thickness (mm±0.05)	Width (mm)	Allowable error (mm)
		(AWG)	Composition (solid/mm)			
HF-9	9	28	7/0.127	0.9	11.43	± 0.30
HF-10	10	28	7/0.127	0.9	12.70	± 0.30
HF-14	14	28	7/0.127	0.9	17.78	± 0.30
HF-15	15	28	7/0.127	0.9	19.05	± 0.30
HF-16	16	28	7/0.127	0.9	20.32	± 0.30
HF-20	20	28	7/0.127	0.9	25.40	± 0.30
HF-25	25	28	7/0.127	0.9	31.75	± 0.30
HF-26	26	28	7/0.127	0.9	33.02	± 0.30
HF-30	30	28	7/0.127	0.9	38.10	± 0.30
HF-34	34	28	7/0.127	0.9	43.18	± 0.40
HF-36	36	28	7/0.127	0.9	45.72	± 0.40
HF-40	40	28	7/0.127	0.9	50.80	± 0.40
HF-50	50	28	7/0.127	0.9	63.50	± 0.40

HF-60	60	28	7/0.127	0.9	76.20	± 0.40
HF-64	64	28	7/0.127	0.9	81.28	± 0.40