

**HF Flat Cable :**

- . UL & CSA Grade :
- . UL Style : 20029                      CSA Style : C22.2 No.210.2
- . Rate Temperature : 105°C              Rate Temperature : 105°C
- . Rate Voltage : 300V                      Rate Voltage : 300V
- . Flame test : VW-1                      Flame test : FT1, FT2

**Conductor : Stranded**

- . AWG Size : 28AWG
- . 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 :**

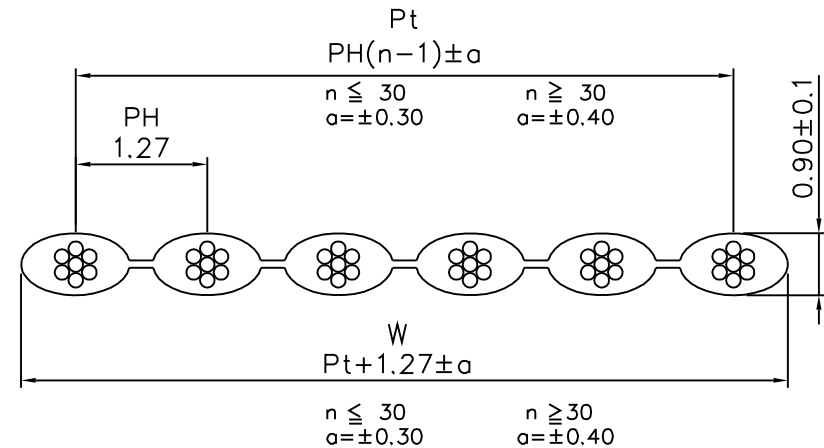
- . Material Of Insulation : Polyvinyl Chloride(PVC) Ten Colors Available
- . Extruded PVC Insulated Singles Bonded Together
- . Insulation Thickness Average : 9 mil.
- . Minimum Insulation Thickness : 7 mil.

**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 : Minimum 2KV In 1 Minute
- . Conductor resistance : Maximum 2370hms/km
- . Insulation Resistance : Minimum 100m Ohms-km
- . Capacity : 44pF/m(G-S-G)
- . Inductance : 1.45uH/m
- . Characteristic Impedance : 105 Ohms(G-S-G)
- . Propagation Delay Time : 4.2 ns/m



Part No.	Number Of Cores	Size Of Conductor		Thickness (mm±0.1)	Width (mm)	Allowable Error (mm)
		(AWG)	Composition (Strands/mm)			
HFR-9	9	28	7/0.127	0.9	11.43	±0.30
HFR-10	10	28	7/0.127	0.9	12.70	±0.30
HFR-14	14	28	7/0.127	0.9	17.78	±0.30
HFR-15	15	28	7/0.127	0.9	19.05	±0.30
HFR-16	16	28	7/0.127	0.9	20.32	±0.30
HFR-20	20	28	7/0.127	0.9	25.40	±0.30
HFR-25	25	28	7/0.127	0.9	31.75	±0.30
HFR-26	26	28	7/0.127	0.9	33.02	±0.30
HFR-30	30	28	7/0.127	0.9	38.10	±0.30
HFR-34	34	28	7/0.127	0.9	43.18	±0.40
HFR-36	36	28	7/0.127	0.9	45.72	±0.40
HFR-40	40	28	7/0.127	0.9	50.80	±0.40
HFR-50	50	28	7/0.127	0.9	63.50	±0.40
HFR-60	60	28	7/0.127	0.9	76.20	±0.40
HFR-64	64	28	7/0.127	0.9	81.28	±0.40



CATEGORY		APPROVED BY		UNLESS OTHERWISE SPECIFIED					
PART No.		CHECKED BY		TOLERANCES ARE					
DRAWING No.		DRAWING BY		.X ±0.38					
SCALE		REV.		.XX ±0.25					
NONE		A		ANG. ±1°					
				UNIT mm		AREA	REVISIONS	CHK	DATE