

# FLAT CABLE COLOR

## FCC1278

### ■ UL & CSA GRADE :

UL STYLE : 20029  
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 :

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

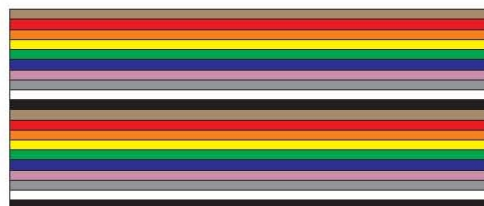
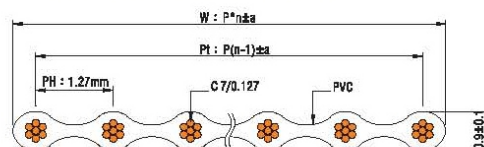
### ■ PHYSICAL PROPERTIES :

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 : Min. 2 KV in 1 minute  
Conductor resistance : Max. 237 Ω/km  
Insulation resistance : Min. 100 MΩ-km  
Capacity : 45 pF/m (G-S-G)  
Inductance : 1.5 μH/m  
Characteristic Impedance : 100 Ω(G-S-G)  
Propagation delay time : 4.2 ns/m

### ■ CONSTRUCTION DRAWING :



### ■ CONSTRUCTION TABLE :

Code No.	Number of Cores	Size of conductor		Thickness (mm ± 0.1)	Width (mm)	Allowable Error (mm)
		AWG	Composition(solid/mm)			
HFR-28R1HF-09	9	28	7/0.127	0.9	11.43	+0.30
HFR-28R1HF-10	10	28	7/0.127	0.9	12.70	+0.30
HFR-28R1HF-12	12	28	7/0.127	0.9	15.24	+0.30
HFR-28R1HF-14	14	28	7/0.127	0.9	17.78	+0.30
HFR-28R1HF-16	16	28	7/0.127	0.9	20.32	+0.30
HFR-28R1HF-18	18	28	7/0.127	0.9	22.86	+0.30
HFR-28R1HF-20	20	28	7/0.127	0.9	25.40	+0.30
HFR-28R1HF-24	24	28	7/0.127	0.9	30.48	+0.30
HFR-28R1HF-26	26	28	7/0.127	0.9	33.02	+0.30
HFR-28R1HF-30	30	28	7/0.127	0.9	38.10	+0.30
HFR-28R1HF-34	34	28	7/0.127	0.9	43.18	+0.40
HFR-28R1HF-36	36	28	7/0.127	0.9	45.72	+0.40
HFR-28R1HF-40	40	28	7/0.127	0.9	50.80	+0.40
HFR-28R1HF-44	44	28	7/0.127	0.9	55.88	+0.40
HFR-28R1HF-50	50	28	7/0.127	0.9	63.50	+0.40
HFR-28R1HF-60	60	28	7/0.127	0.9	76.20	+0.40
HFR-28R1HF-64	64	28	7/0.127	0.9	81.28	+0.40

RoHS Compliant

TOLERANCES ARE

**MORETHANALL**  
PCB CONNECTORS  
Cable ASSEMBLIES

煜倫股份有限公司

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DRAWING BY CY

CHECKED BY GENIUS

UNIT / mm

SCALE 1 : 1

DATE

SIZE A4

PPOJECTION

X, ± 0.30  
X, ± 0.30  
.XX ± 0.20  
.XXX ± 0.10  
ANG ± 1°

照片框

ORDER INFORMATION

HFR-28R1HF-xx-LF  
SERIES | LEADFREE  
09-64 WAY  
1 ROLL/100FEET  
28 AWG

DESCRIPTION: