

# 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

### ■ CONSTRUCTION TABLE :

Code No.	Number of Cores	Size of conductor		Thickness (mm ± 0.1)	Width (mm)	Allowable Error (mm)
		AWG	Composition (solid/mm)			
FCC1278-9	9	28	7/0.127	0.9	11.43	+0.30
FCC1278-10	10	28	7/0.127	0.9	12.70	+0.30
FCC1278-12	12	28	7/0.127	0.9	15.24	+0.30
FCC1278-14	14	28	7/0.127	0.9	17.78	+0.30
FCC1278-16	16	28	7/0.127	0.9	20.32	+0.30
FCC1278-18	18	28	7/0.127	0.9	22.86	+0.30
FCC1278-20	20	28	7/0.127	0.9	25.40	+0.30
FCC1278-24	24	28	7/0.127	0.9	30.48	+0.30
FCC1278-26	26	28	7/0.127	0.9	33.02	+0.30
FCC1278-30	30	28	7/0.127	0.9	38.10	+0.30
FCC1278-34	34	28	7/0.127	0.9	43.18	+0.40
FCC1278-36	36	28	7/0.127	0.9	45.72	+0.40
FCC1278-40	40	28	7/0.127	0.9	50.80	+0.40
FCC1278-44	44	28	7/0.127	0.9	55.88	+0.40
FCC1278-50	50	28	7/0.127	0.9	63.50	+0.40
FCC1278-60	60	28	7/0.127	0.9	76.20	+0.40
FCC1278-64	64	28	7/0.127	0.9	81.28	+0.40

### ■ 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 :

