

CONSTRUCTION TABLE

Number Of Cores	Size of conductor		Thickness (mm±0.1)	Width	Allowable Error(mm)
	(AWG)	Composition±0.007mm			
02	28	7/0.120mm	0.85	2.54mm	±0.15
03	28	7/0.120mm	0.85	3.81mm	±0.15
04	28	7/0.120mm	0.85	5.08mm	±0.15
05	28	7/0.120mm	0.85	6.35mm	±0.15
06	28	7/0.120mm	0.85	7.62mm	±0.15
07	28	7/0.120mm	0.85	8.89mm	±0.15
08	28	7/0.120mm	0.85	10.16mm	±0.20
09	28	7/0.120mm	0.85	11.43mm	±0.20
10	28	7/0.120mm	0.85	12.70mm	±0.20
11	28	7/0.120mm	0.85	13.97mm	±0.20
12	28	7/0.120mm	0.85	15.24mm	±0.20
13	28	7/0.120mm	0.85	16.51mm	±0.20
14	28	7/0.120mm	0.85	17.78mm	±0.20
15	28	7/0.120mm	0.85	19.05mm	±0.25
16	28	7/0.120mm	0.85	20.32mm	±0.25
18	28	7/0.120mm	0.85	22.86mm	±0.25
20	28	7/0.120mm	0.85	25.40mm	±0.25
24	28	7/0.120mm	0.85	30.48mm	±0.25
25	28	7/0.120mm	0.85	31.75mm	±0.25
26	28	7/0.120mm	0.85	33.02mm	±0.30
30	28	7/0.120mm	0.85	38.10mm	±0.30
34	28	7/0.120mm	0.85	43.18mm	±0.35
37	28	7/0.120mm	0.85	46.99mm	±0.35
40	28	7/0.120mm	0.85	50.80mm	±0.35
50	28	7/0.120mm	0.85	63.50mm	±0.35
60	28	7/0.120mm	0.85	76.20mm	±0.40
64	28	7/0.120mm	0.85	81.28mm	±0.40

UL FLAT RIBBON WIRE  
 UL Style: 2651  
 Rated Temperature: 105°C  
 Rated Voltage: 300Volts  
 Passes VW-1 vertical flame test

CONDUCTOR  
 AWG Size: 28AWG  
 Number of strands in each conductor:  
 7/0.120mm Tinned copper  
 Lay of strands in each conductor: 0.005 inch at least  
 Cross section area: 156 Circular mil

INSULATION  
 Material of insulation: Polyvinl chloride(PVC) color  
 Insulation thickness average: 9 mil  
 Minimum insulation thickness: 7 mil

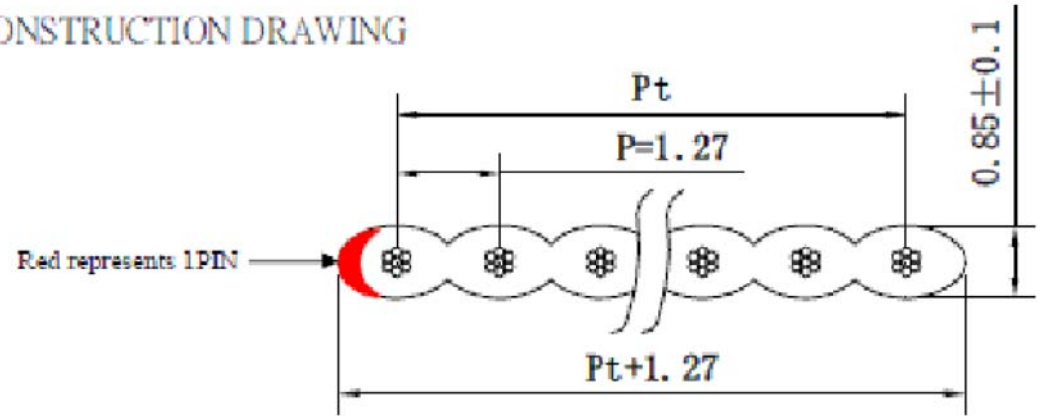
CABLE PHYSICAL PROPERTISE:  
 After seven days air oven at 136°C  
 Average tensile strength: 1500 Ibs/inch<sup>2</sup>  
 Percent of original: 70% at least  
 Average elongation: 200%  
 Percent of original: 65% at least

ELECTRONIC CHARACTERISTICS

Spark test:2500 Volts  
 Dielectric strength test: Minimum 2000 Volts in 1 minute  
 Conductor resistance: Maximum 237Ω/KM  
 Insulation resistance: Minimum 100MΩ/KM  
 Capacity: 40pF/M  
 Inductance: 1.45uH/M  
 Impedance: 100Ω  
 Propagation delay time: 4.2ns/m



CONSTRUCTION DRAWING



MARKING :

PUYER AWM 2651 28AWG E350147 105°C 300V VW-1 -LF-

61FC1- XX XXX  
 ———— ft/Reel  
 ———— No. of Contacts

Old P/N:FC127-XXPXXX-L

REV.	ECN NO. OR DESCRIPTION	REVISED	DATE
△	Revise the drawing	Roy	2018/09/25

耀德精密有限公司  
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品名 TITLE	Flexible Flat Cable				頁數 Page	1/1
品號 PART NO.	61FC1-XXXXX				繪圖 DRAWN	Roy 2017/11/08
圖號 DRAWING NO.	GN131-RR098	版本 REV.	B	核對 CHECKED	Jason 2018/09/25	
客戶品號 CUSTOMER P/N		比例 SCALE	None	承認 APPROVED	Jason 2018/09/25	
公差 TOLERANCE	.X ± 0.20 .XX ± 0.15	± 2°	單位 UNIT	mm	THIRD ANGLE PROJECTION	