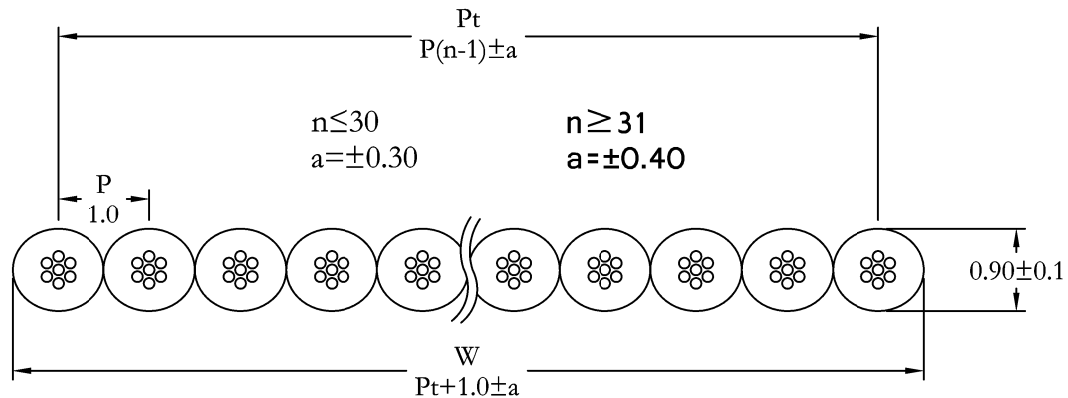


REV.	SPECIFICATION	ECN NO.	APPD.

Construction Drawing:



Specification: (N=Number of conduction)

UL Style : 2651
 Rate Temperature: 105°C.
 Rate Voltage :300V.
 Flame Teet: VW-1.
Conductor : Stranded :
 AWG Size : 28AWG.
 Nnmber 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) deep gray and gray.
 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
 Percent of Original : 70% at Least.
 Average Elongation :200%.
 Percent of Original :65% at Least.
Electronic Characteristics :
 Spark Test : 2500 V.
 Dielectric Strength test : Minimum 2KV in 1 minute.
 Conductor Resistance : Maximum 237 Ω /km.
 Insulation Resistance : Minimum 100 M Ω -km.
 Capacity : 56 pf/m (G-S-G).
 Characteristic Impedance : 90 Ω (G-S-G).
 Propagation delay time :4.65ns/m.
***RoHS Compliant**

Construction Table:

Number of Cores	Size of conductor		Thickness (mm \pm 0.05)	Width(mm)	Allowable Error (mm)
	AWG	Compositopn(solid/mm)			
10 P	28	7/0.127	0.9	10	\pm 0.20
12 P	28	7/0.127	0.9	12	\pm 0.20
14 P	28	7/0.127	0.9	14	\pm 0.20
15 P	28	7/0.127	0.9	15	\pm 0.20
16 P	28	7/0.127	0.9	16	\pm 0.20
20 P	28	7/0.127	0.9	20	\pm 0.30
25 P	28	7/0.127	0.9	25	\pm 0.30
26 P	28	7/0.127	0.9	26	\pm 0.30
34 P	28	7/0.127	0.9	34	\pm 0.40
40 P	28	7/0.127	0.9	40	\pm 0.40
44 P	28	7/0.127	0.9	44	\pm 0.40
50 P	28	7/0.127	0.9	50	\pm 0.40

FC1- xxP 100
 Series No. of Conductor 100Ft

Dwg No.	FC1XF00001	Title:	Flat Cable			 DUPIN ELECTRONIC(KUNSHAN) CO., LTD. P/N: FC1-xxP-100
Projection			Pitch 1.0mm			
Unit	mm	Scale	1:N T.S.			
Drawn By	Martin 06/07/22	ϕ 703	SHEET	1/1	Ver.No.	A2