

## Ordering Code

1 2 3 4 5 6 7 8 9 10 11  
**F F C C** **C** **1 2** **0 4** **T** **1** **0 6 0** **0** **0** **- 3** **0 0**

1 Series No.

2 Conductor Pitch:

Code	Pitch(mm)
A	2.54
B	1.25
C	1.00
E	0.50

3 Number of Conductors

4 Material : Copper Conductor Size

Code	Size		Applying Pitch(mm)
	Thickness	Width	
01	0.10	1.27	2.54
02	0.10	0.80	1.25
03	0.05	0.80	
10	0.035	0.80	
04	0.10	0.70	1.00
05	0.05	0.70	
06	0.035	0.70	
14	0.05	0.65	
15	0.10	0.65	
08	0.05	0.30	0.50
09	0.035	0.30	

5 Plating code: T= Sn, G= Gold Flash over Nickel

B= Gold plated over bare copper

6 Terminal Types: See below Terminal Types table

Sn plated conductor use T1, T2,

T7, T9. Gold conductor use G1/B1 and G2/B2

7 Overall Length

8 Strip Length: 0 = Standard

a When the conductor pitch is 0.5mm;  
Standard strip length = 4.0mm

b When the conductor pitch is 1.0, 1.25 and 2.54mm;  
Standard strip length = 5.0mm

c Other length options available

9 Support Tape Length: 0 = Standard

a When the conductor pitch is 0.5mm;  
Standard length = 8.0mm

b When the conductor pitch is 1.0, 1.25 and 2.54mm;  
Standard length = 10.0mm

c Other length options available

d Max. Support Tape length: 20.0mm

10 UL Style No.

-N = Non printing(Standard)

-3 = UL 20706(Standard)

11 Other Option:

00 = Standard

## Terminal Types Table

**Sn Plated:**

Code	Type	Code	Type
T1		T7	
T2		T9	

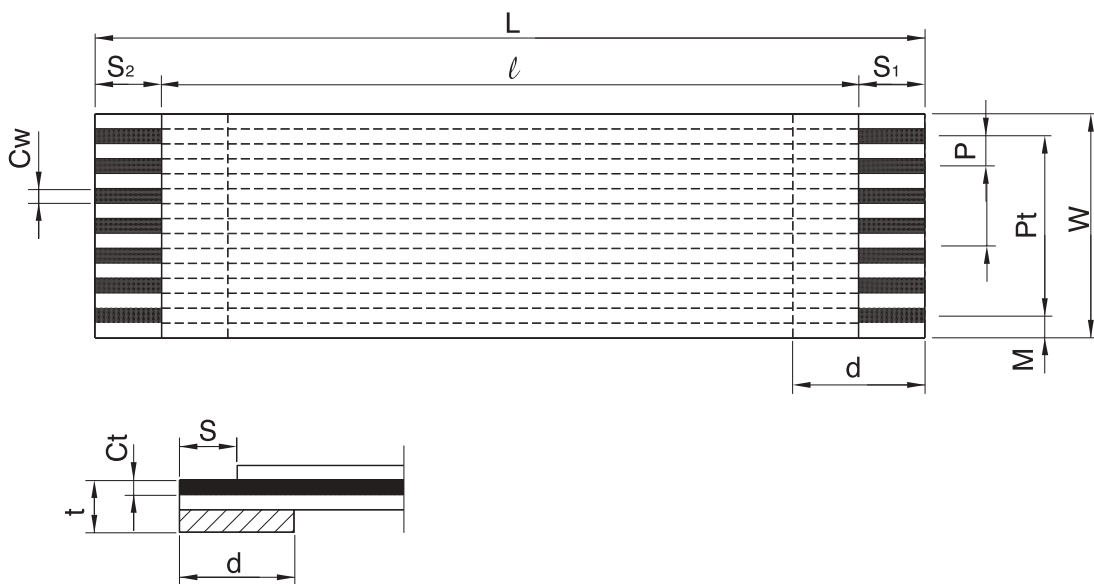
**Gold Plated:**

Code	Type	Code	Type
G1/B1		G2/B2	

Shape, Construction and Dimensions

Unit:mm

No.	ITEM	Abbr.	FORMULATION	TOLERANCE			
				P=0.50	P=1.00	P=1.25	P=2.54
1.	Pitch	P	Typical	±0.05	±0.08	±0.10	±0.15
2.	Total pitch	Pt	$Pt=(n-1) \times P$	±0.08	±0.10	±0.15	±0.20
3.	Width	W	$W=(n+1) \times P$	±0.08	±0.10	±0.20	±0.20
4.	Margin	M	$M=(W-Pt)/2$	±0.08	±0.12	±0.15	±0.20
5.	Insulation length	$l$	$l=L-(S1+S2)$	(30-100)±3, (101-300)±5, (301-600)±10, (Length more than 601mm)±15mm			
6.	Total (Cable) length	L	$L=l+(S1+S2)$				
7.	Strip length	S	When the terminal type is T1, T2 ; $S1 = S2$	4±1	5±1		
8.	Support tape length	d	$d=S \times 2$	8±2	10±2		
9.	Conductor width	Cw	Various	0.3±0.02	0.7±0.03	0.8±0.03	1.27±0.04
10.	Conductor thickness	Ct	Various	N/A	0.10±0.01		
				0.05±0.01			
				0.035±0.01			
11.	Terminal thickness	t	Typical	0.29~0.34			



## Feature & Caution

This product is economic interconnect configurations including jumpers, formed, shielded, terminated and assembled cables, characterized by its excellent flexibility, space saving, light weight and easy assembly. It can be easily inserted or pulled out from the connector or directly soldered onto the PCB. We offer flexibility in design, where the number of conductors, pitch and length can be freely selected to meet any assembly requirements. Th

**Performance**

FFC

**Electrical Performance**

ITEM	TEST CONDITION	REQUIREMENT				
		Conductor size	Resistance	Remarks		
1.1	Conductor resistance	JIS C-3102 (at 20°C)	Ct	Cw	Tinned copper	
						0.1
			0.80	less than 0.26 Ω/m		
			0.70	less than 0.30 Ω/m		
			0.65	less than 0.30 Ω/m		
			0.05	0.80		less than 0.52 Ω/m
				0.70		less than 0.65 Ω/m
				0.65		less than 0.57 Ω/m
				0.30		less than 1.40 Ω/m
			0.035	0.80		less than 0.82 Ω/m
				0.70		less than 1.09 Ω/m
				0.30		less than 2.20 Ω/m
			1.2	Dielectric strength		AC 500V 1 min
1.3	Insulation resistance	DC 500V	More than 1000MΩ/m			

**Mechanical Performance**

ITEM	TEST CONDITION	REQUIREMENT
2.1	Elongation of insulator	JIS K-6732
2.2	Tensile strength of insulation	JIS K-6732
2.3	Abrasion test	φ 0.5mm, 600g, 60 cycles/min.
2.4	Pull-out test	–

**Environmental Performance**

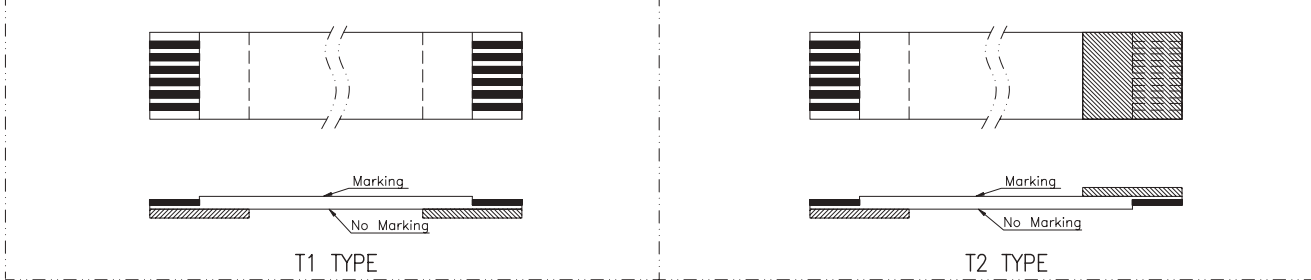
ITEM	TEST CONDITION	REQUIREMENT
3.1	Operation temperature	–
3.2	Heat resistance	110°C x 96 Hrs
3.3	Heat cycle test	-40°C → +25°C → +85°C → +25°C x 5 cycle
3.4	Moisture resistance	40°C, 95% RH x 96Hrs
3.5	Flame test	UL Sub.758
3.6	Flexing test	180° folding test

**Standard Flat Flexible Cable Type for Small Order**

⊙ For small order, MOQ: 1000PCS / Lot / Each item

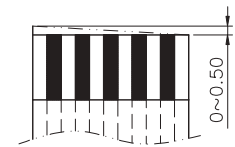
**0.50mm(.020") Pitch**

1	Pitch (P)	0.5	5	Strip Length (S)	4.0 Ref.	9	Conductor Width (Cw)	0.3±0.02
2	Margin Width (M)	0.5	6	Support tape Length (d)	8.0 Ref.	10	Conductor Thickness (Ct)	0.05±0.01
3	Total Pitch (Pt)	0.5x(Pin-1)	7	Terminal thickness (t)	0.29~0.34	11	UL Style 20706	
4	Total Width (W)	0.5x(Pin+1)	8	Total Length (L)	See the table	12	All the BOM of FFC are RoHs compliant	



TOLERANCE

P	±0.05
Pt	±0.08
W	±0.08
M	±0.08



Tolerance of Cutting Tilt

- ⊙ Please see P60 = 0.50mm(.020") Pitch Standard Flat Flexible Cable Table
- ⊙ Please refer P60 FFC P/N list according to the pitch, length pin no. and terminal type requests for FFC standard P



