

Ordering Code

1 **PXF** **2** **C** **3** **12** **4** **04** **5** **T1** **6** **060** **7** **0** **8** **0**

1 Series No.

2 Conductor Pitch:

Code	Pitch(mm)
A	2.54
B	1.25
C	1.00
D	0.80
E	0.50

3 Number of Conductor

4 Material : Tinned copper

Tinned thickness : More than 1 μ m

Code	Size		Applying Pitch(mm)
	Thickness	Width	
01	0.1	1.27	2.54
02	0.1	0.8	1.25
03	0.05	0.8	
04	0.1	0.7	1.00
05	0.05	0.7	
06	0.035	0.7	
07	0.1	0.5	0.80
08	0.05	0.3	0.50
09	0.035	0.3	

5 Terminal Type: See Terminal Type table below

6 Overall Length

7 Strip Length: 0= Standard








- When the conductor pitch is 0.5 and 0.8mm; Standard strip length= 4.0mm
- When the conductor pitch is 1.0, 1.25 and 2.54mm; Standard strip length= 5.0mm
- Other length options available

8 Support Tape Length: 0= Standard

- When the conductor pitch is 0.5 and 0.8mm; Standard length= 8.0mm
- When the conductor pitch is 1.0, 1.25 and 2.54mm; Standard length= 10.0mm
- Other length options available
- Max. Support Tape length: 20.0mm

* Minimum order Quantity:
5000pcs / order

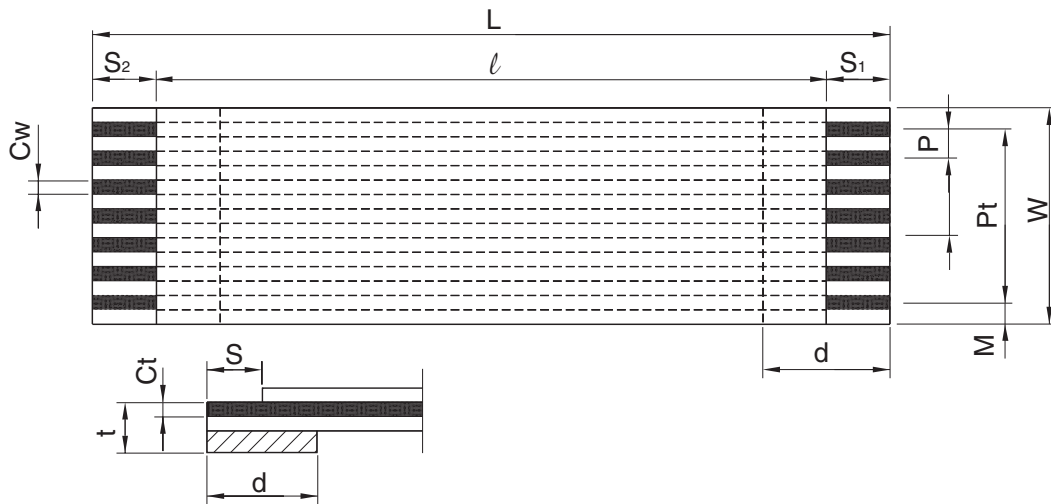
Terminal Type

Code	Type	Code	Type
T1		T5	
T2		T7	
T3		T9	
T4			

Shape, Construction and Dimensions

Unit:mm

No.	ITEM	Abbr.	FORMULATION	TOLERANCE				
				P=0.5	P=0.8	P=1.00	P=1.25	P=2.54
1.	Pitch	P	Typical	±0.05	±0.08	±0.08	±0.10	±0.20
2.	Total pitch	Pt	$Pt=(n-1) \times P$	±0.08	±0.10	±0.10	±0.15	+0.2/-0.4
3.	Width	W	$W=(n+1) \times P$	±0.08	±0.10	±0.10	±0.20	+0.2/-0.4
4.	Margin	M	$M=(W-Pt)/2$	±0.08	±0.15	±0.15	±0.20	±0.30
5.	Insulation length	l	$l=L-(S_1+S_2)$	(30-100)±3, (101-300)±5, (301-600)±10, (Length more than 601mm)±15mm				
6.	Total (Cable) length	L	$L=l+(S_1+S_2)$					
7.	Strip length	S	When the terminal type is T1, T2, T3 and T4, ; $S_1=S_2$	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	0.5±0.03	0.7±0.03	0.8±0.03	1.27±0.04
10.	Conductor thickness	Ct	Various	N/A	0.1±0.01			
				0.05±0.01				
				0.035±0.01				
11.	Terminal thickness	t	Typical	0.3±0.05				



Performance

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	1.27	less than 0.2 Ω/m	
			0.8	less than 0.26 Ω/m						
			0.7	less than 0.33 Ω/m						
			0.5	less than 0.42 Ω/m						
			0.05	0.8			less than 0.52 Ω/m			
				0.7			less than 0.65 Ω/m			
				0.3			less than 1.4 Ω/m			
			0.035	0.7			less than 1.09 Ω/m			
				0.3			less than 2.2 Ω/m			
			1.2	Dielectric strength			AC 500V 1 min	NO breakdown		
			1.3	Insulation resistance			DC 500V	More than 1000MΩ/m		

Mechanical Performance

ITEM	TEST CONDITION	REQUIREMENT	
2.1	Elongation of insulator	JIS K-6732	More than 60%
2.2	Tensile strength of insulation	JIS K-6732	More than 3.5kg/mm ²
2.3	Abrasion test	ø0.5mm, 600g, 60 cycles/min.	More than 10,000 times
2.4	Pull-out test	–	More than 20 times

Environmental Performance

ITEM	TEST CONDITION	REQUIREMENT	
3.1	Operation temperature	–	-30°C~+80°C
3.2	Heat resistance	85°C x 95 Hrs	Electrical Performance item 1.2 and 1.3 Pass
3.3	Heat cycle test	-40°C→+25°C→+85°C→+25°C 12 Hrs x 2 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	More than 20 times