

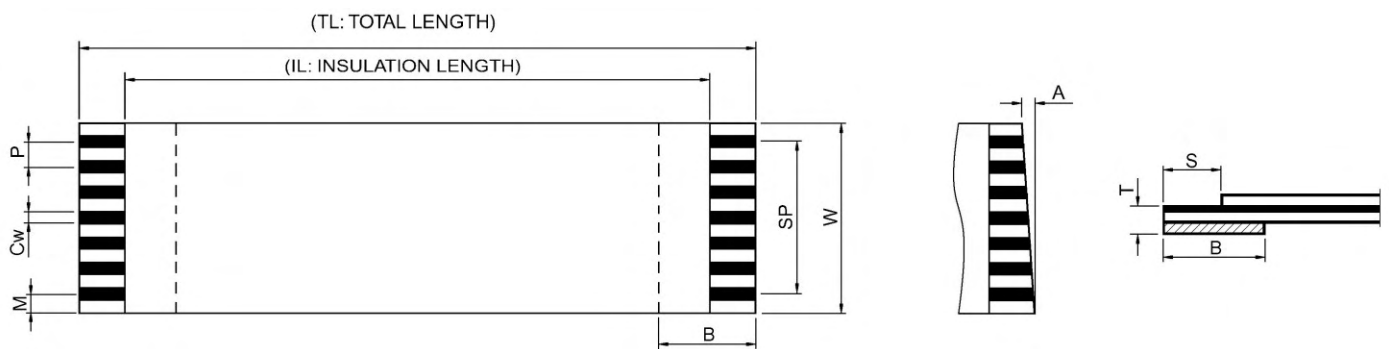


MATERIAL

Conductor: Tin coated flat copper wire
 Insulator: Polyester (PET), white color
 Support Tape: Polyester (PET), blue color

FEATURES

Light weight and flexible
 Easy assembling & low production cost
 Excellent flexibility
 Space saving

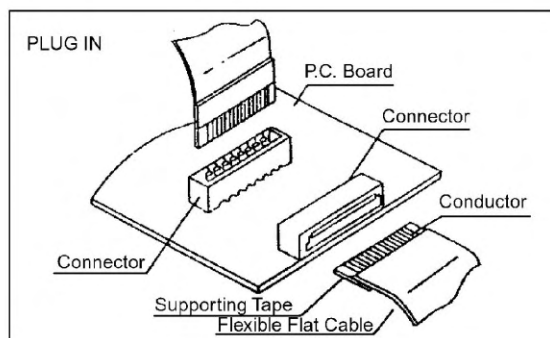


Item	Abbr.	P=0.5	P=0.8	P=1.0	P=1.25	P=2.54
Pitch	P	±0.05	±0.08	±0.1	±0.1	±0.1
Poles	--	8-70	8-70	7-70	4-70	4-33
Total pitch	SP	$0.5x(N-1)±0.1$	$0.8x(N-1)±0.1$	$1.0x(N-1)±0.2$	$1.25x(N-1)±0.2$	$2.54x(N-1)±0.2$
Cable width	W	$0.5x(N+1)±0.1$	$0.8x(N+1)±0.1$	$1.0x(N+1)±0.2$	$1.25x(N+1)±0.2$	$2.54x(N+1)±0.3$
Margin	M	$0.5±0.1$	$0.8±0.1$	$1.0±0.2$	$1.25±0.2$	$2.54±0.3$
Thickness	T	$0.3±0.05$	$0.3±0.05$	$0.3±0.05$	$0.3±0.05$	$0.3±0.05$
Strip Length	S	$4±0.8$	$4±0.8$	$4±0.8$	$5.0±0.8$	$5.0±0.8$
Support tape len.	B	$6.0±2.0$	$7.0±0.2$	$7.0±2.0$	$8.0±2.0$	$8.0±2.0$
Insulation length	IL	30.0 min (all pitch)				
Total Length	TL	$IL+S1+S2$				
Conductor width	Cw	see next page				
Conductor Tck.	Ct	see next page				

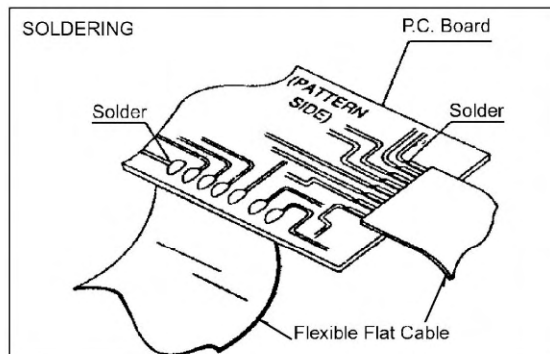
RIBBON & FLAT WIRE CABLES AND CONNECTORS

Flat Flexible Cable - FFC

No	Test Item	Characteristics							
1	Operating temperature	-20°C ~ 80°C							
2	Voltage rating	30V (UL2896), 60V (UL20624)							
3	Conductor plating	Tih plate thickness: 2 - 5 μm							
4	Insulation	PET film + PET adhesive							
5	Conductor size	0.1	0.1	0.1	0.1	0.035	0.035	0.035	0.035
		x	x	x	x	x	x	x	x
6	Conductor resistance (Ω/m) at 20°C	1.27	0.8	0.7	0.5	0.8	0.7	0.5	0.3
		Ω	Ω	Ω	Ω	Ω	Ω	Ω	Ω
7	Insulation resistance (/m)	More than 100MΩ(DC500V, at 20°C)							
8	Dielectric strenght between conductors	DC 500V for 1 min.							



PITCH		0.5	0.8	1.0
CONDUCTORS	Thickness (Ct)	0.035±0.003	0.035±0.003 0.1±0.01	0.035±0.003 0.1±0.01
	Width (Cw)	0.3±0.03	0.5±0.03 0.7±0.03	0.5±0.03 0.7±0.03
PITCH		1.25	2.0	2.54
CONDUCTORS	Thickness (Ct)	0.035±0.003 0.1±0.01	0.035±0.003 0.1±0.01	0.1±0.01
	Width (Cw)	0.5±0.03 0.8±0.03	0.5±0.03 0.8±0.03	1.27±0.04



	Standard type	Super Thin FFC	Ultra Thin FFC
Thickness (T)	0.17mm±0.02	0.12mm±0.02	0.10mm±0.01
Flexibility Life	100,000 Times ^(*)	3,000,000 Times ^(*)	10,000,000 Times ^(*)
Used Conductors	0.1x0.7 0.1x0.8	0.035x0.8 0.035x0.7	0.028x0.65

TYPE	CABLE CONFIGURATION
A	
B	
C	
D	

(*) Z-BENDING TEST: 15R, 100mm stroke, 60 cycles/min.
 (**) U-BENDING TEST: 10mm gap, 40mm stroke, 180 cycles/min.

UL STYLE	Temperature	Voltage
2896	80°C	30V
20624	80°C	60V
20706	105°C	60V
2643	105°C	300V

Std. Products: UL2896, 20624
 For other Style, please contact Us (MOQ required)

HOW TO ORDER

FFC

PITCH _____
 1=2.54 - 5=0.5 - 6=1.25 - 7=2.0 - 8=0.8 - 9=1.0

INSULATION LENGTH (mm) _____

NR. OF WAYS (n) _____

CABLE CONFIGURATION _____