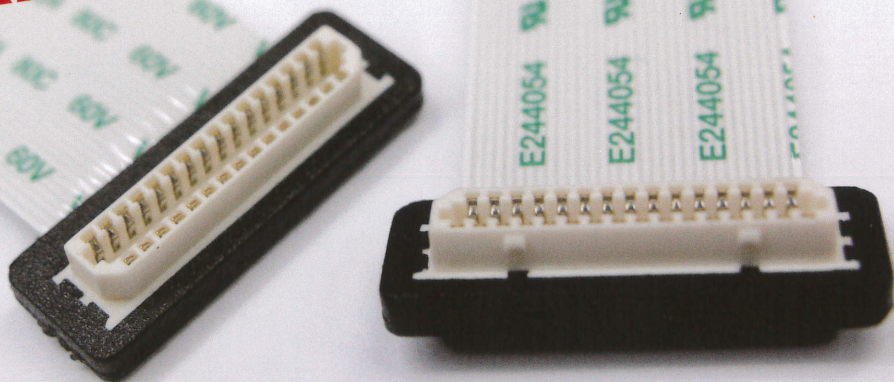


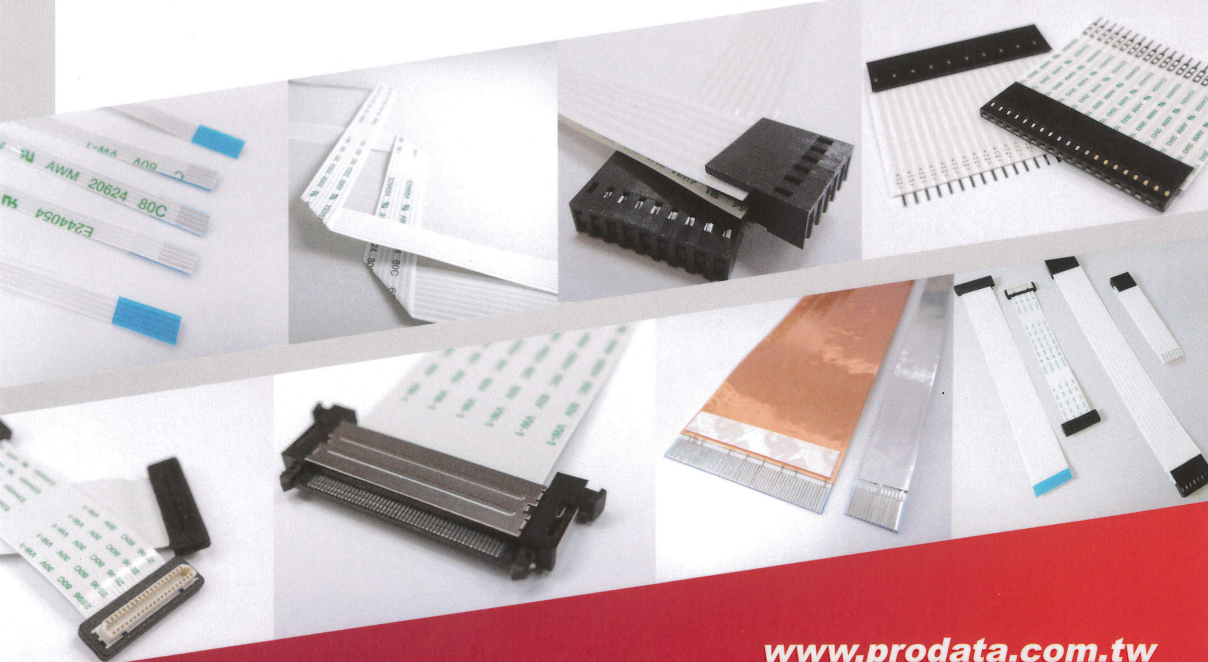
FLEXIBLE FLAT CABLE (FFC)



Flexible Flat Cable is available in a wide variety of configurations, enabling engineers to optimize the cable package for the application. Pro-Data offers the assembly of FFC & connector and the shielding service if needs.

Advantage:

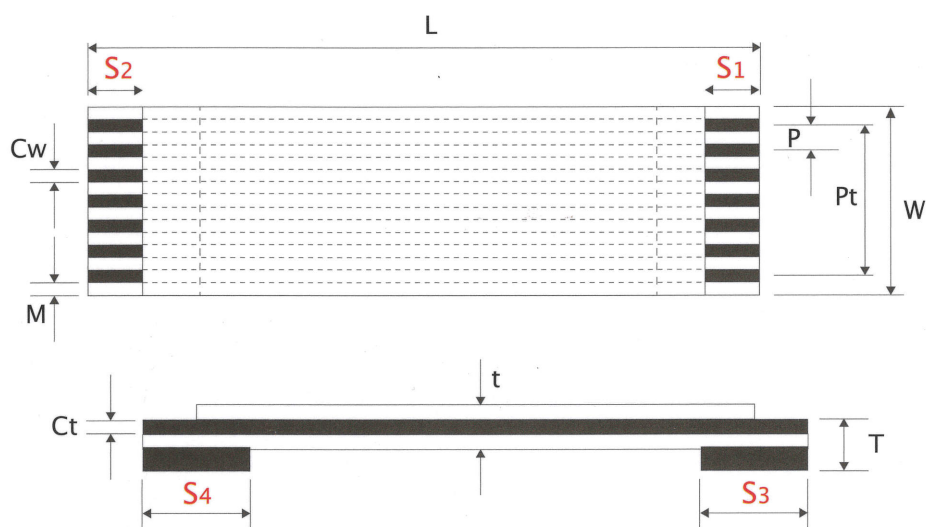
- Extremely small dimensions & Flat design: weight saving potential, low profile, narrow width
- Extremely flexible: more than 30,000 cycles
- Follow the test method JIS C-3102 (Japanese Industry Standard)
- Covered by UL's Recognition
- Still functioning well after 360°C(degree) bending
- Abrasion Test: more than 10,000 cycles
- Resist moisture 95%RH at 40°C for 96hrs, and resist heat at 85°C for 96hrs



SPECIFICATION

NOMENCLATURE	ABBR.	FORMULATION	DIMENSIONS,mm			
			P=0.5	P=1.0	P=1.25	P=2.54
Pitch	P	Typical				
Total Pitch	Pt	P x (n-1)				
Width	W	P x (n+1)				
Margin	M	P - (Cw x 1/2)				
Conductor width	Cw	Typical	0.3	0.6	0.8	1.27
Conductor thickness	Ct	Typical	0.1	0.05		0.035
Total(cable)length	L	Typical	Over 30			
Strip length	S1/S2	Typical	3 / 4 / 5 / 6			
Support tape length	S3/S4	Typical	6 / 8 / 10 / 12 / 15			
Terminal thickness	T	Typical	0.3			

Unit : mm n : numbers of conductor



CHARACTERISTICS

ITEM	TEST METHOD	REQUIREMENT			
		Ct	0.1	0.05	0.035
Conductor Resistance	JIS C-3102	Cw			
		1.27	Less than 0.21Ω/m	Less than 0.42Ω/m	Less than 0.57Ω/m
		0.8	Less than 0.26Ω/m	Less than 0.52Ω/m	Less than 0.74Ω/m
		0.6	Less than 0.38Ω/m	Less than 0.58Ω/m	Less than 0.82Ω/m
		0.5	Less than 0.42Ω/m	Less than 0.81Ω/m	Less than 1.15Ω/m
		0.3	Less than 0.68Ω/m	Less than 1.36Ω/m	Less than 1.82Ω/m
Insulation Resistance	DC 500V after 1 min.	More than 1,000 MΩ/m			
Dielectric Strength	AC 500V for 1 min.	No breakage			
Open/Short Test	Tester,DC 3.0V, 0.1mA	Pass			
Heat Resistance	85°C , 96hrs	Insulation Resistance and Dielectric Strength within the specification			
Heat Cycle Test	-40°C →+25°C →+85°C →+25°C , 12hrsx2cycles	Insulation Resistance and Dielectric Strength within the specification			
Moisture Resistance	40°C, 95%RH, 96hrs	Insulation Resistance and Dielectric Strength within the specification			
Flame Test	UL VW-1	Pass			
Flexibility Test	10mmR x 10cm x 70cycles/min	More than 30,000 cycles			
Bending Test (180°) (clip the point of supporting tape)	±90° , 600g , 0.5mmR	Durable more than 100 cycles			
Abrasion Test	Ø5mm , 600g , 60cycles/min	More than 10,000 cycles			