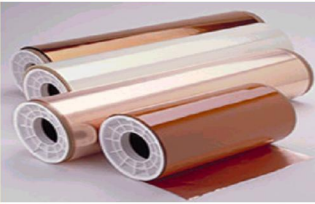


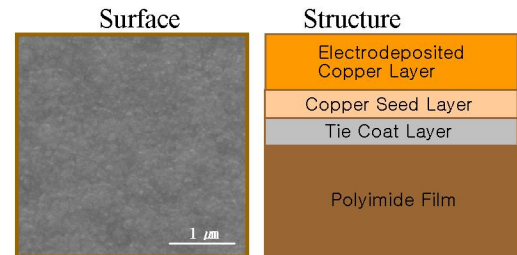
LS Cable FCCL



LS-FLEX

Flexible Copper Clad Laminate

- Suitable for flexible circuit & fine pitch circuit
- Superior copper thickness uniformity
- Good Appearance



Application

- COF & FPCB for LCD, Notebook PC, Mobile Phone

Typical Properties(Single & Double Side)

No.	Item	Unit	LS-FLEX	Remark	
1	Thickness	Cu	μm	8.5	Can change by customer
		PI Film	μm	25.0 / 38.0	
2	Peel Strength	As Received	kgf / cm	0.7	Slide sled
		at 150 °C, 1week		0.3	
3	Dimensional Stability	MD/TD	%	± 0.04	IPC TM 650 2.2.4 B
				± 0.04	IPC TM 650 2.2.4 C
4	Tin Penetration	μm	No		
5	Tensile Strength *	kg/mm ²	35	IPC TM 650 2.4.19	
6	Volume Resistivity *	Ω·cm	1.0E + 17	IPC TM 650 2.5.17	
7	Dielectric Constant (at 1kHz) *		3.1	IPC TM 650 2.5.5.3	
8	Elongation *	%	50	IPC TM 650 2.4.19	
9	CTE (50 to 220 °C) *	ppm/°C	16	TMA	
10	Heat Shrinkage (at 150 °C) *	%	0.05	IPC TM 650 2.2.4A	
11	Moisture Absorption (at 100%RH) *	%	1.8	IPC TM 650 2.6.2	

* Base film specification
(The kind of base film can change by customer)