

『CNSY/SAFY』

Usage

The **flexible cable** for high-speed transmission

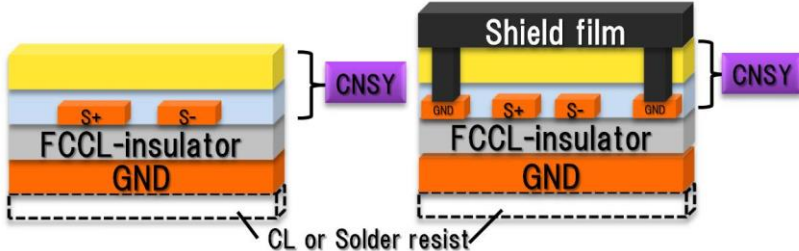
- Suitable for a flexible high-speed cable using for a **mobile phone, tablet, notebook PC, mobile terminals.**
- Digital-signal-transmission standard examples : SATA, USB, EDP, MIPI

Material structure

Adhesive layer of CNSY、SAFY is same composition

CNSY

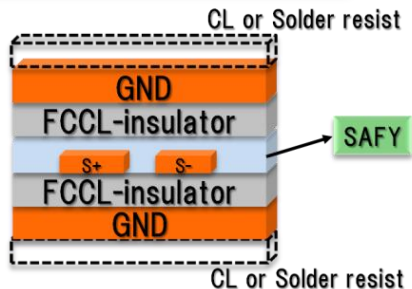
- Polyimide thickness : 12.5~25 μm
- Adhesive thickness : 10~40 μm



Micro strip line Structure

SAFY

- Adhesive thickness : 10~50 μm



Strip line Structure

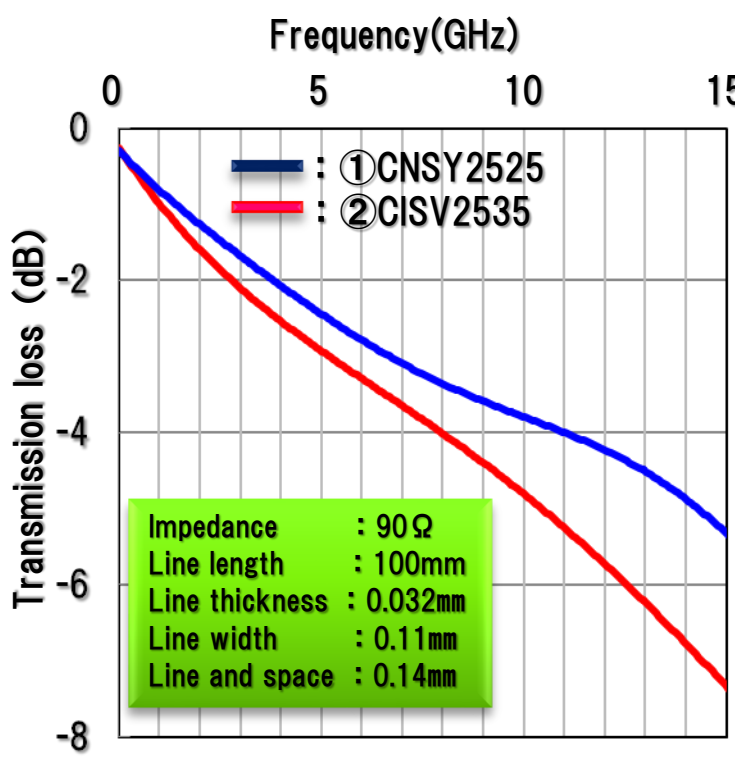
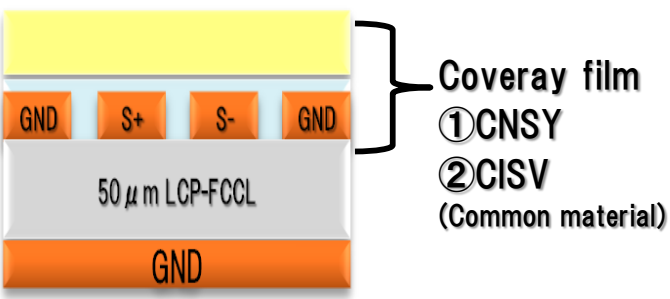
Feature※1

- 1. Low Dk/Low Df** : $Dk=2.6, Df=0.005$ (1~10GHz) . ※Adhesives performance
- 2. High adhesion** : Vs Copper(1.0N/mm), Vs Polyimide(0.7N/mm), Vs LCP(0.9N/mm).
- 3. Good press processability** :
 - Lamination press temperature is over **160°C.**
 - **Quick press process is available.**
- 4. Good flame retardancy** : Independent configuration of Coverlay : **UL94 VTM-0 (UL FILE No.E46785).**

※1 The figures in this table are measured values, not the values for guaranteeing.
 adhesion measurement ①Vs Copper and Vs Polyimide : combination of CNSY1225/1oz Copper foil .
 ②Vs LCP : combination of 50 μm LCP film/SAFY25/1oz Copper foil .

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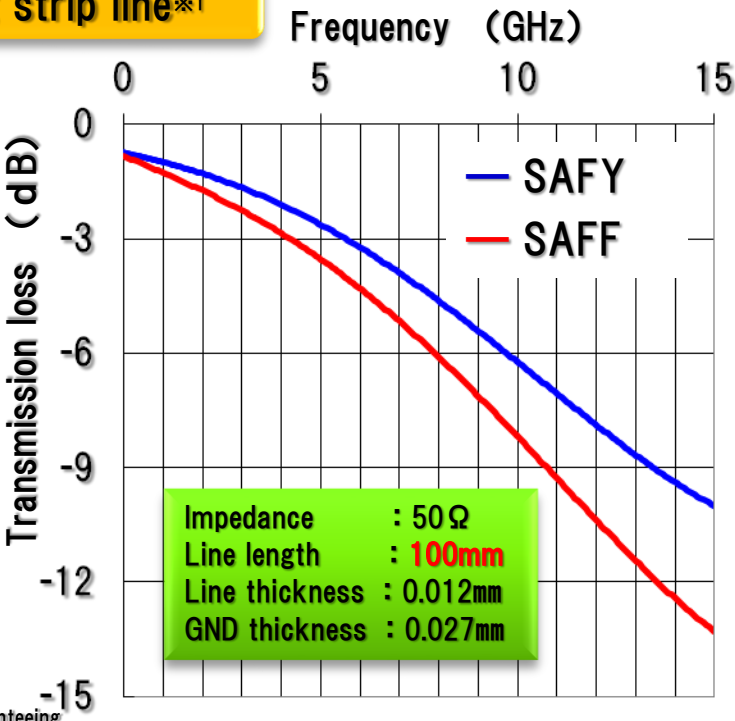
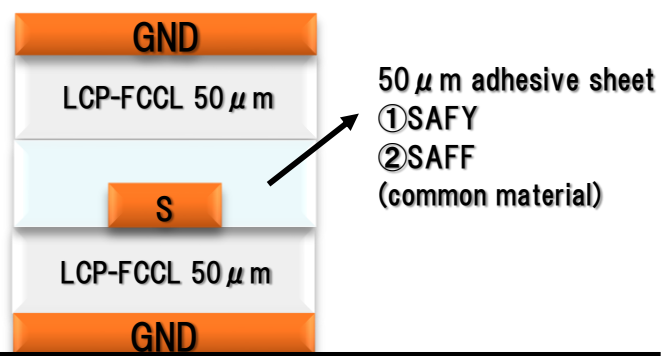
Transmission loss of FPC using microstrip line※1



Test item	Test condition	CNSY	CISV (Common Material)
Dk※2	10GH z	2.6	3.3
Df※2	10GH z	0.005	0.025

※2 Adhesives performance

Transmission loss of FPC using strip line※1



Test item	Test condition	SAFY	SAFF (common material)
Dk	10GH z	2.6	3.3
Df	10GH z	0.005	0.028

※1 The figures in this table are measured values, not the values for guaranteeing.