



# Cable Laminates

**Skultuna Induflex develops and manufactures a complete range of flexible laminates/materials** for standard and special wire cable products. Typical applications are data, coaxial, automotive and specialty cables. By combining different materials and thicknesses, we produce customized laminates that perform well in our customers' unique solutions. The metal foils provide shielding and the polymeric films give the tapes insulating and mechanical properties. The function of these flexible foil laminated shielding tapes can potentially include protection from electromagnetic (EMI) and electrostatic (RFI) interference, flexibility and insulation. We can make laminates with polymer free edges to improve conductivity and wrap-around metallized cardboard liners for moisture vapor transmission and mechanical strength in cable joints.

Our extensive experience in manufacturing technical laminates in small to large volumes ensures access to a consistent supply of laminates at the agreed, uniform quality. We can provide additional coating systems, including lubrication, corrosion and fire resistant coatings, and we specialize in heat sealable solutions, both with coatings and films. On request, laminates can also be needle and hole perforated. With experience in slitting and spooling, we offer both narrow width pads and traverse wound spools. Laminates can be supplied as pads, spools, master rolls, sheets or other special formats.

## General Technical Data

Metal foils	Thickness (µm)
Al	8, 9, 12, 25, 40, 50, 100
Cu	10, 12, 15, 18, 20, 35, 50, 70, 100, 150, 200

Polymer films	Thickness (µm)
PET	12, 19, 23, 36, 50, 75, 125
PE	30, 40, 75, 100
OPP	30, 40
Copolymer	30, 50
Semi conductive PE	50
PE coated cardboard	500 g/m <sup>2</sup>
<i>Other thicknesses and raw materials (e.g. nonwoven, PEN, PI, etc) are also available.</i>	

*Skultuna Induflex laminates metal foils in thicknesses from 6–200 µm and polymer films from 4–250 µm from roll-to-roll. Paper, cardboard and other thin materials on reels can also be used. In our standard product range, laminates can consist of 2–3 layers but 4 and 5 layers are also possible. We can add functional coatings/primers from 1 µm up to approximately 20 µm.*

### Adhesives

Materials are joined together with two component high performance adhesives with optimum chemical and/or temperature resistance. The adhesives are tailor-made for each material and requirement; they can also be colored as well as contain different additives and flame retardants.

### Customer-specific laminates

We develop and manufacture laminates according to your specific requests. Laminates can be supplied in a variety of combinations using any material provided it comes on reels. We can find cost-effective material solutions that fulfill your requirements, and give good durability and mechanical properties in the intended environments.



# Our core business is flexible laminate perfection

Skultuna Induflex innovates and delivers technical flexible laminate applications for products that make everyday life easier. We do it by utilizing our expertise and technical competence from our three locations in Sweden, Belgium and China.

By combining and laminating materials such as plastic films, metal foils, papers and cardboards, we create an almost infinite number of flexible laminates. This makes it possible to solve problems in new ways, whether it's laminates for shielding, barrier, conduction, reflection, appearance or other purposes.

Please contact us for more information,  
email us at [info@skflex.com](mailto:info@skflex.com) or visit [www.skultunainduflex.com](http://www.skultunainduflex.com)

**Skultuna Induflex** 

**INNOVATING FLEXIBLE LAMINATE PERFECTION**

Sweden: Skultuna Flexible, Östra Verken, 726 20 Skultuna, Sweden | tel:+46 21 540 30 00  
Belgium: Induflex NV, Ottergemseteenweg Zuid 799, 9000 Gent, Belgium | +32 9 221 13 94  
China: Skultuna Flexible Beijing CO, No9 Workshop, No 308 Shuntong Road, Shunyui District, Beijing 101304, China