

## Technical datasheet

**Sunwire®** **DECO**  
coloured PV ribbon

by **LUVATA**  
SPECIAL PRODUCTS

Sunwire® Deco is made for those who refuse to compromise between the beauty of their homes and energy efficiency. Specifically solar customers no longer have to see the visually intrusive silver lines running across their rooftop.

Sunwire Deco is photovoltaic ribbon available in various colours that blend naturally into the solar panel making the module virtually invisible on rooftops.

Sunwire Deco in black, the most popular alternative color, offers comparable energy efficiency as traditional silver PV ribbon, but maintains street appeal for more discriminant solar customers and architects.

This datasheet serves as a guide to the product specifications of Sunwire Deco. For more detailed information, talk to us.



### About Luvata Special Products

Luvata Special Products is a world leader in metal solutions manufacturing and related engineering services to industries such as renewable energy, automotive, healthcare, and power generation and distribution. The company's continued success is attributed to its longevity, technological excellence and strategy of building partnerships beyond metals. Employing over 1,300 staff in 7 countries, Luvata Special Products works in partnership with customers such as ABB, CERN, Siemens, SolarWorld and Toyota. Luvata Special Products is a group company of Mitsubishi Materials Corporation.

**Base Material**

Cu-OF1 CW007A (Acc. EN13602)	Electrical Conductivity 101%-103% IACS
Cu-ETP1 CW003A (Acc. EN13602)	Electrical Conductivity min. 100% IACS

**Dimensions\***

Thickness (mm)	0,080 – 0,500 ± 0,007
Width (mm)	0,60-6,00 +/-0,08

**Solder alloys (hot dipped)\***

Lead-free	SnAgCu96,5/3,0/0,5, Sn100
Leaded	SnPb60/40, SnPb63/37, SnPbAg62/36/2
Low temperature	BiSn58/42, SnBiAg60/38/2

**Deco Coating\***

Colour	Bluish-black
Length	Adjustable for any PV cell size
Length tolerance	+/- 1 mm
Sequence (colour-no colour)	Customised based on the application. For example: i) A,B,...,A,B ii) A,B,A,C,D,...,A,B,A,C,D

\* Made according to customer specification



Sunwire Deco in black



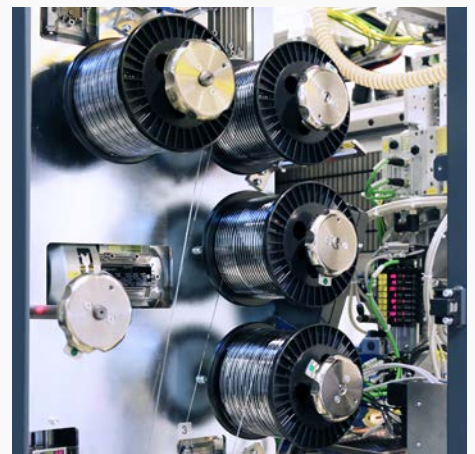
Available in a wide variety of spool types and sizes

Building-integrated photovoltaics (BIPV) and building-applied photovoltaics (BAPV; retrofit) incorporate photovoltaic materials in place of traditional building materials of a home or building such as the roof, skylights or facades. The intent of both BIPV and BAPV regardless is to generate electricity for on-site use or for export to the grid. While aesthetically minded homeowners and architects want to embrace the benefits of solar and maintain curb appeal, manufacturers have struggled to satisfy both of these desires.

**Not anymore. The answer to an integrated solution is here.**

The most common alternative, the bluish-black Sunwire Deco, blends in perfect harmony with standard PV cells. The length and sequence of the Deco coating is adjustable for any PV cell and module size including full, half and quarter cells. The coating sequence can be customized for minimal ribbon waste.

And along with the portfolio of other Sunwire products, it's still the softest and straightest PV ribbon on the market today.



Sunwire Deco is compatible with any tabbing or stringing process. Photo courtesy of teamtechnik.

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