



Solar Technologies

# SPR

## Standard PV Ribbon

In reaction to the quick changing and super flexible solar market Ulbrich Solar Technologies established its new Standard Solar product line. With our new standardized solar module connector materials we created the possibility to react quickly to spot market demands and therefore help our customers to capitalize any short-term business opportunities and support their inventory management. Of the shelf materials in the most common specifications delivered within days and within the high Ulbrich Solar Technology quality standards are the foundation of our new Standard Solar Product Line.

### Standard Tabbing Ribbon Specification

Base material	Cu
Dimension Copper Core	width: 1,000 +/- 0,070 [mm] thickness: 0,200 +/- 0,005 [mm]
Coating Quality	hot dip tinned
Coating Alloy	Sn60Pb40 acc. EN ISO 9453
Coating thickness	15 - 25 [µm]
Mechanical Properteis	Rm: max. 270 [Mpa] Rp0,2: max. 80 [Mpa] A: min. 25 [%]
Spool	10SB, HKV 160

### Standard Bus Ribbon Specification

Base material	Cu
Dimension Copper Core	width: 5,000 +/- 0,080 [mm] thickness: 0,300 +/- 0,010 [mm]
Coating Quality	hot dip tinned
Coating Alloy	Sn60Pb40 acc. EN ISO 9453
Coating thickness	15 - 25 [µm]
Mechanical Properteis	Rm: max. 270 [Mpa] Rp0,2: max. 140 [Mpa] A: min. 15 [%]
Spool	10SB



In nearly three decades Ulbrich Solar Technologies developed a solid foundation and reputation in the international solar community. Hot dipped copper flat ribbon was the first product Ulbrich delivered to the first solar module customers of the modern photovoltaics industry. Hot dipped copper flat ribbon are still a demanding product for modern manufacturing facilities and play a major technological role in modern module manufacturing.

To support the rapidly changing solar business environment the new Ulbrich Standard PV Ribbon product line makes Ulbrich's high quality products available on short notice. A large stock of standard specifications enables our customers to minimize their own inventories and optimizes the reaction time to fast changing market demands. Together with our customers Ulbrich's logistic departments manage and plan their demands just in time.



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