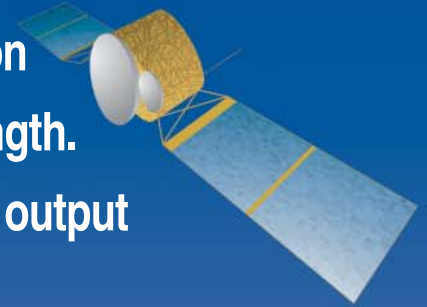


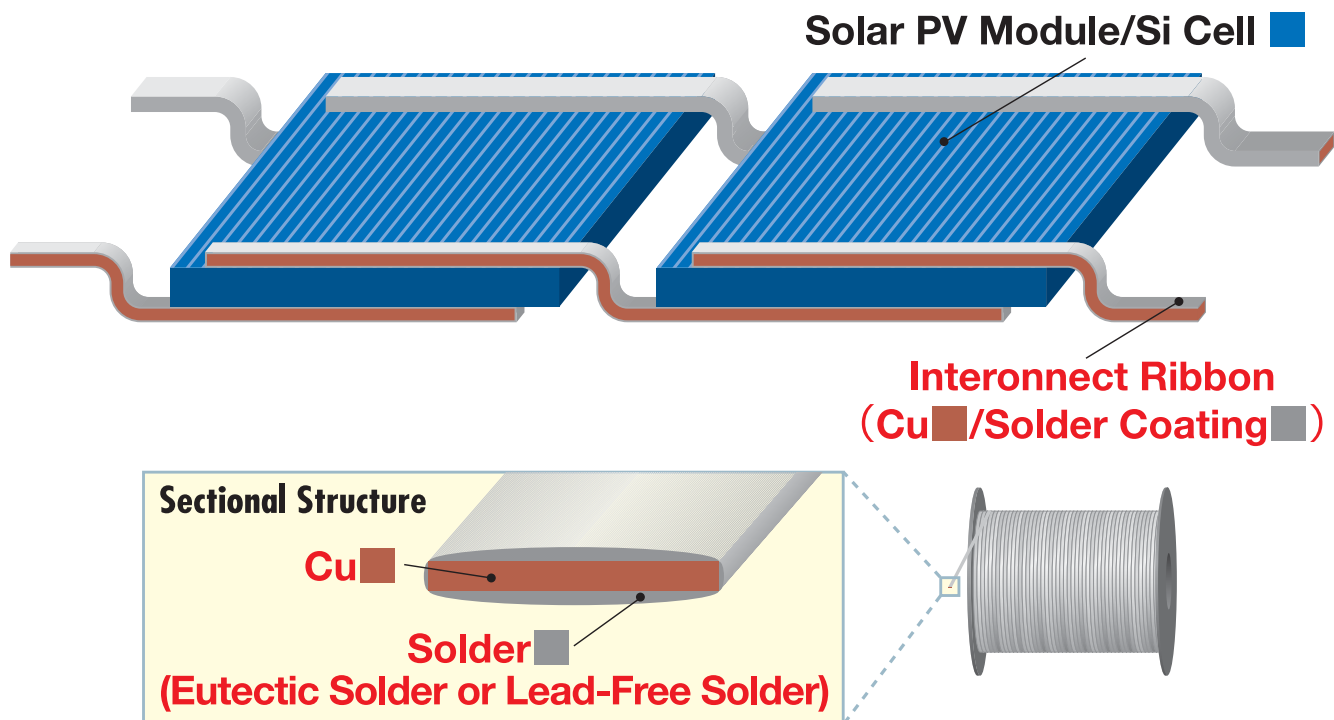
# "ULTRA FLEXIBLE Cu" INTERCONNECT RIBBON FOR SOLAR PV MODULES

## Solder-Coated Copper

Our "Ultra Flexible Cu" is a solder-coated copper ribbon with high electric conductivity and ultra-low yield strength. Reliable, and most suitable for interconnecting of high output Si cell type solar modules.



### Interconnect Ribbons



Lead-free and lead-containing solders are available for surface coating.

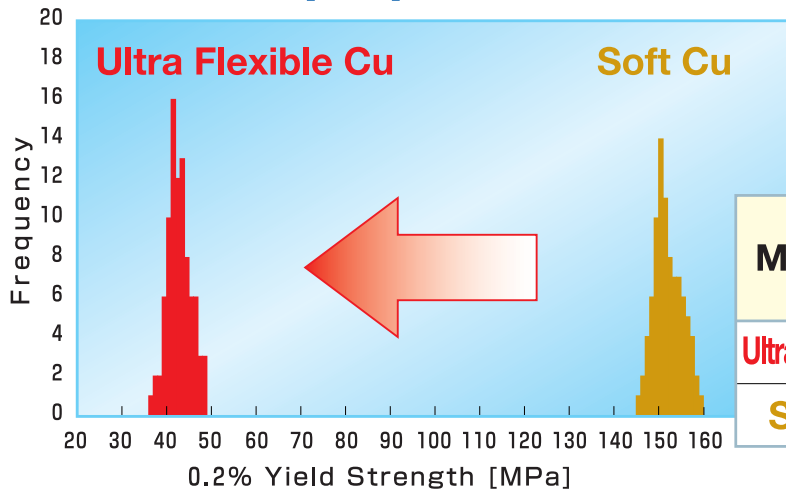


**NEOMAX**

**NEOMAX MATERIALS** CO.,LTD.

# CHARACTERISTICS OF "ULTRA FLEXIBLE Cu" - INTERCONNECT RIBBON

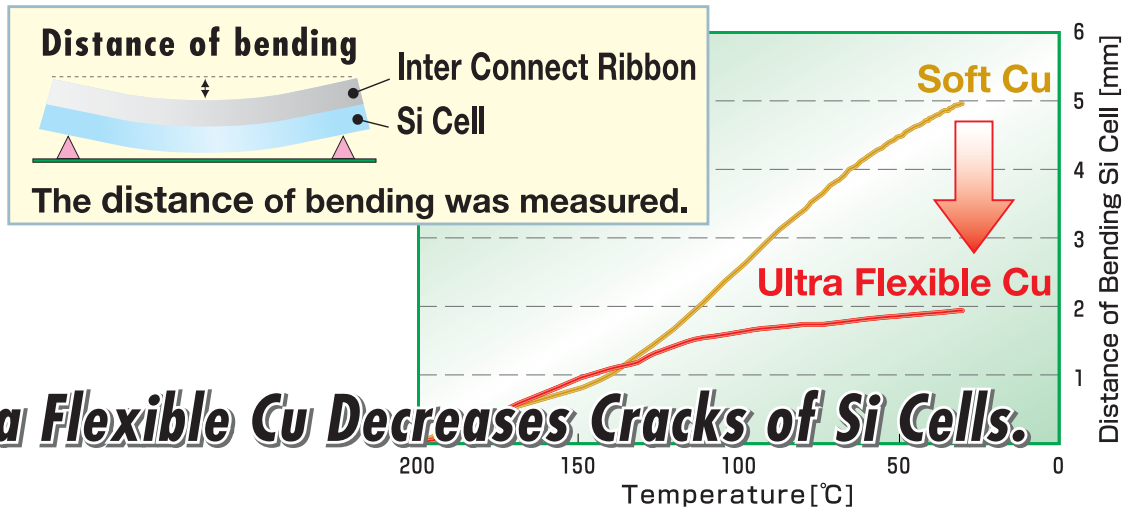
## Mechanical Property (0.2% Yield Strength)



0.2% yield strength of Ultra Flexible Cu is 45% smaller than that of Soft Cu.

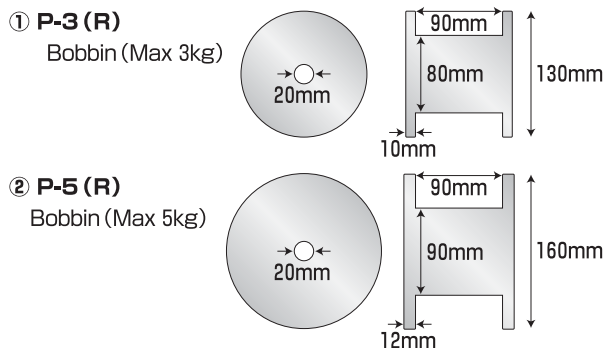
Materials	0.2% yield strength	
	Specifications	Actual
Ultra Flexible Cu	≤ 60MPa	43MPa
Soft Cu	≥ 140MPa	151MPa

## Comparison of bending of Si cell



**Ultra Flexible Cu Decreases Cracks of Si Cells.**

## Products(Shape of bobbins)



## Solder for coating

Materials	Melting Point	Solder Thickness
Lead-Free Solder (Sn-3Ag-0.5Cu)	220°C	20~40μm (Tolerance±10μm)
Eutectic Solder (60Sn-Pb)	180°C	

<http://www.neomax-materials.co.jp>

# NEOMAX MATERIALS co.,LTD.

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