

# Green 8™



## High Performance Copper Alloy

High Strength

High Conductivity

High Flex Life



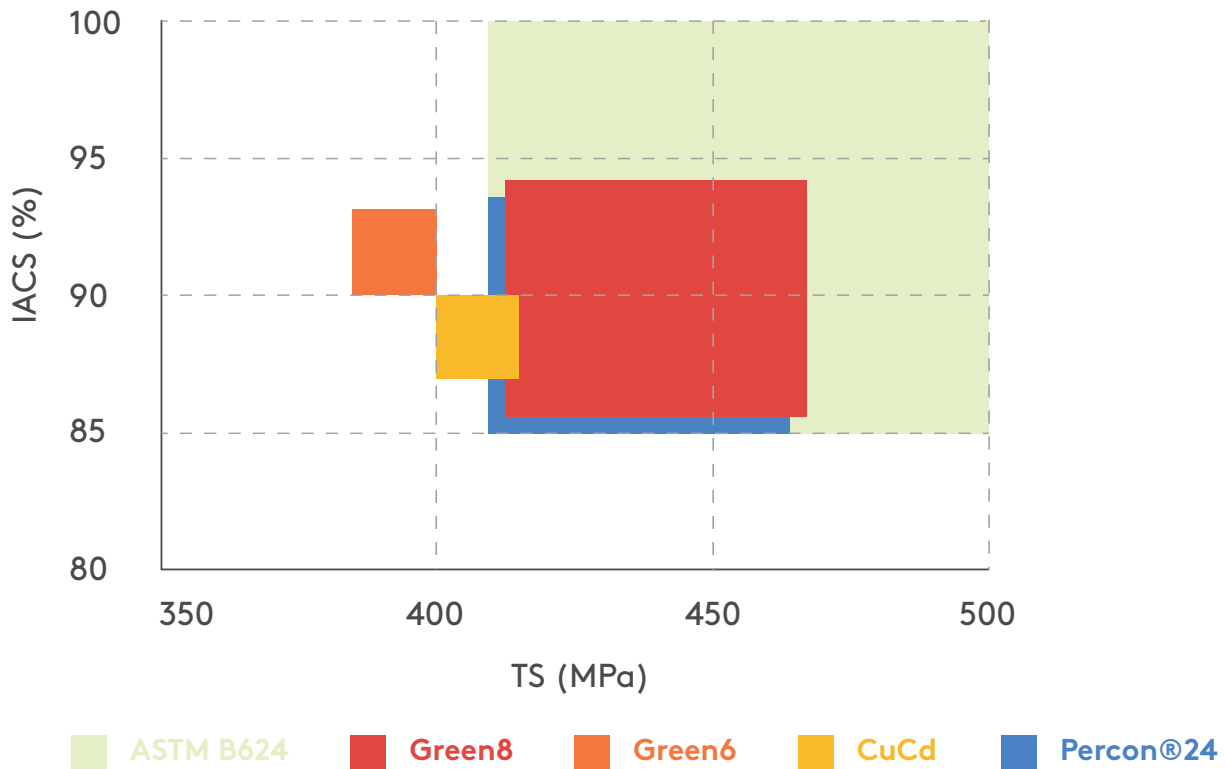
# RAW MATERIAL

## ASTM B624 COMPLIANT



	IACS (%)	Tensile Strength (MPa)
ATSM B624	Min 85	Min 414
CuCd	87 to 90	400 to 420
Green6	90 to 93	380 to 400
Green8	85 to 93	414 to 460

Green8 and Percon<sup>®</sup>24 are similar copper alloy based on: Cr - Zr





Figures obtained with a minimum elongation of 6%

Bare						
AWG		Product	Electrical Resistance ( $\Omega$ /km)		Tensile Strength (N)	
			Max (ASTM B624)	Typical	Min (ASTM B624)	Typical
26	19/38	19 x 0.102 Green8	-	121	-	81
38		0.102 Green8	2610	2161	3.2	3.9

Silver plated (ASTM B298 compliant)						
AWG		Product	Electrical Resistance ( $\Omega$ /km)		Tensile Strength (N)	
			Max (AS29606)	Typical	Min (AS29606)	Typical
24	19/36	19 x 0.127 Green8	93.2	86	99.6	107
30	7/38	7 x 0.102 Green8	385.2	336	23.1	26

Nickel plated (ASTM B355 compliant)						
AWG		Product	Electrical Resistance ( $\Omega$ /km)		Tensile Strength (N)	
			Max (AS29606)	Typical	Min (AS29606)	Typical
22	19/34	19 x 0.160 Green8	61	57	159.2	180
24	19/36	19 x 0.127 Green8	98.8	90	99.6	122
24	19/36	19 x 0.127 Percon®24	98.8	98.8	99.6	100

## APPLICATIONS



### AEROSPACE: DEFENCE, SPACE, COMMERCIAL

A thinner diameter due to higher strength and conductivity:

- Weight savings
- No fail applications



### MEDICAL

High strength and high flex life:

- Extra fine conductors



### ROBOTICS - ELECTRONICS

High strength, high conductivity and high flex life:

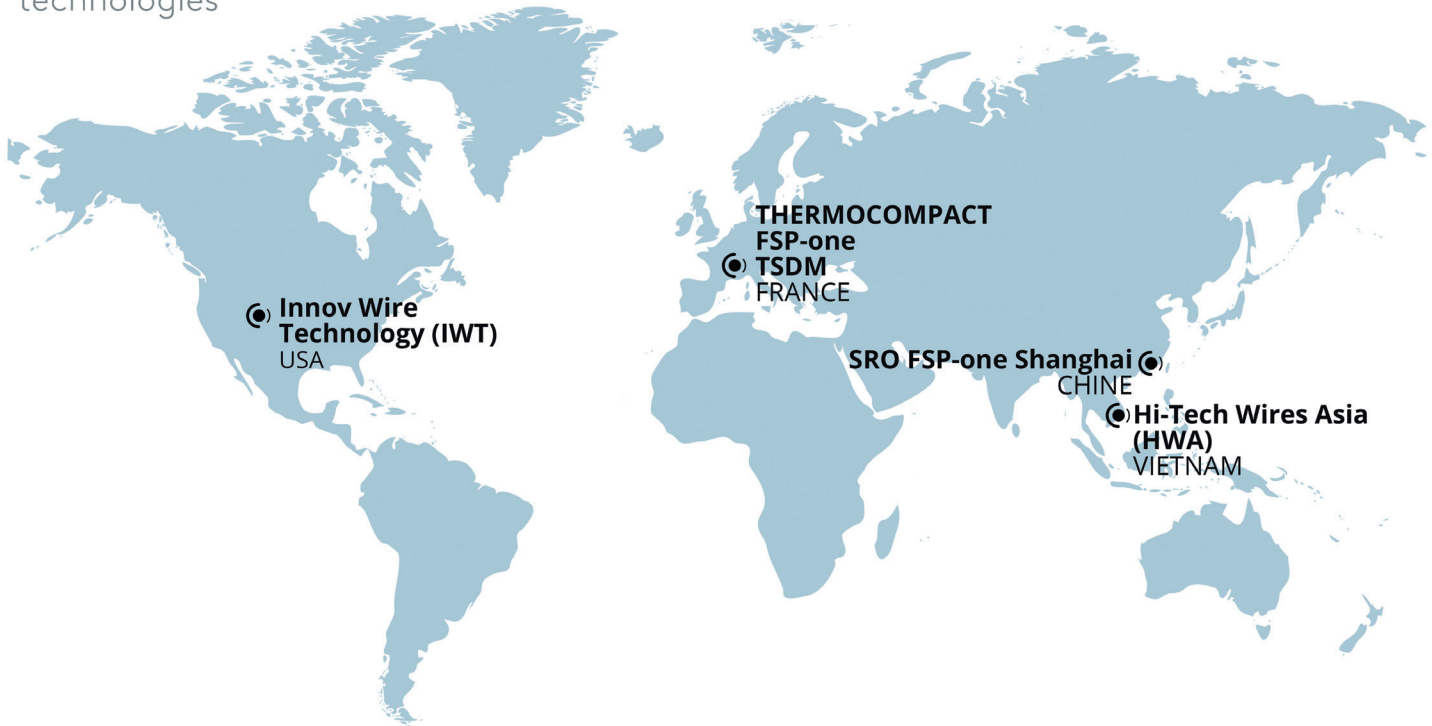
- Long life product

# Green 8™

# CERTIFICATIONS



GROUPE  
**THERMO**  
technologies



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