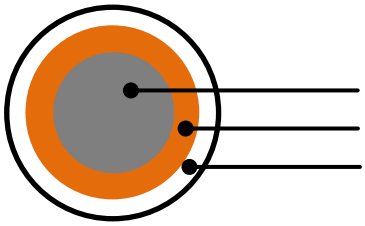
FSP one
High-tech wires for demanding applications

COPPER CLAD ALUMINUM 15%

FSP-one has developed a world patented process of Copper Clad Aluminum (CCA) for aeronautic and aerospace applications.



PROCESSING	
PLATING	**Nickel - Silver - Bare**
DRAWING	**From AWG 36 (0,127 mm) up to AWG 11 (2,304 mm) for hard version *** **From AWG 34 (0,160 mm) up to AWG 11 (2,304 mm) for soft version ***
STRANDING	**AWG 24/07 up to AWG10/61 & ropelays up to AWG 000; bunch**
BRAIDING	**On 16 or 24 carriers bobbins, up to 18 ends**

TECHNICAL CHARACTERISTICS		
PHYSICAL DATA	**Thickness of Copper is 15% of total volume as per ASTM B566-98, Class 15A**	
	Density 3,65 g·cm-3 (compared to 8,9 g·cm-3 for copper and copper alloy)	
MECHANICAL DATA	**Tensile strength**	**140 MPa – soft**
		250 MPa – hard
ELECTRICAL DATA @ 20°C	**Conductivity**	**64% IACS minimum**
	Resistivity	**2,667 µΩ.cm**

*** Hard version ⇔ around 1% elongation**
*** Soft version ⇔ 5% elongation minimum**

Those previous values are indicative.
For any further information or specific demand, please contact our sales department :
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