Material Properties

Soft

The table below provides **dimensional, electrical and mechanical** properties of FSP-one material in **soft state**.

Those values are **indicative** and obtained with a minimum **elongation of 6%**.

For any further information or specific demand, please contact our sales department : **sales@fsp-one.com**

Family	Material	Diameter *mm*	Density *g/cm³*	Resistivity *µΩ.cm*	IACS *%*	UTS *MPa*
Copper	**CuHC**	0,030 → 2,400	8,86	1,724	100	240
	CuHC *27% Nickel Plated*	0,080 → 2,400	8,82	2,205	78	300
	CuOFHC	0,030 → 2,400	8,86	1,724	100	240
	CuOFHC *27% Nickel Plated*	0,080 → 2,400	8,82	2,205	78	300
	Green6	0,050 → 1,200	8,88	1,997	85	380
	Green6 *27% Nickel Plated*	0,080 → 1,200	8,87	2,67	65	400
	Green8	0,060 → 0,900	8,94	1,898	90	440
	CuP	0,060 → 1,850	8,93	1,784	96	240
	White Metal	0,080 → 0,900	8,92	9,892	17	250
	CuNiSi	0,080 → 0,900	8,87	4,021	42	640
	Brass 80/20	0,080 → 0,900	8,62	5,301	32	450
	Bronze6	0,060 → 0,800	8,84	13,770	12	540
Silver	**Ag990**	0,070 → 2,000	10,48	1,730	99	230
	Ag935	0,070 → 0,900	10,15	2,000	86	350
Aluminium	**Copper Clad Aluminium**	0,160 → 2,300	3,65	2,606	66	140
Nickel	**Pure Nickel**	0,060 → 1,500	8,64	7,804	22	410
Steel	**Copper Clad Steel**	0,100 → 1,000	8,30	4,132	41	350