

OUR SALES CONTACTS:

BULGARIA: SOFIA MED SA

4 Dimitar Peshev str., Gara Iskar
1528 Sofia
Iliana Nikolova
Tel.: +359 2 9606 209
Mob.: +359 894 752287
inikolova@sofiamed.bg

UK/IRELAND: METAL AGENCIES Ltd.

Suite 4, Cobb House
2-4 Oyster lane, Byfleet
Surrey KT14 7DU
Mark O'Rorke
Tel.: +44 1932 33 1111
Mob.: +44 7775 927968
mororke@metalagencies.vionet.gr
Damian Monk
Tel.: +44 (7767) 475 815
Mob.: +44 7775 927968
dmonk@metalagencies.vionet.gr

FRANCE: REYNOLDS CUIVRE S.A.s

1 rue Francois Jacob
92500 Rueil-Malmaison
Thomas Potier
Tel.: +33 155 472468
Mob.: +33 30 423495
thomas.potier@reynolds-cuivre.fr
Vincent Lebreton
Tel.: +33 155 472461
Mob.: +33 633 790846
vincent.lebreton@reynolds-cuivre.fr

ITALY: ALURAME

Via A.Stradivari, Milano
Marco Avanzi
Tel.: +39 02 971 78140
Mob.: +393 440 881 119
mavanzi@alurame.vionet.gr

GERMANY, BELGIUM, NETHERLANDS: TEPRO METAL AG

Ursulastraße 33-41, 50354 Hürth
Ilona Krause
Tel.: +49 7457 948 343
Mob.: +49 172 2507123
ikrause@teprometal.vionet.gr
Frank Mostert
Mob.: +49 162-6243591
fmostert@teprometal.vionet.gr
MKC Metall KundenCenter GmbH
Ursulastraße 33-41, 50354 Hürth
www.metallkc.de
Rolled/Roofing products:
i.V. Jörg Reichelt-Quadt
Tel.: +49 / (0) 2233 / 3962 - 330
joerg.reichelt-quadt@metallkc.de
Extruded products:
i.V. Volker Nickel
Tel.: +49 2233 3962 - 310
Fax.: +49 2233 3962 - 319
volker.nickel@metallkc.de

SOUTH KOREA:

STAR MECHATRONIX CORP.

RM 822, U-Tong Ctr, 109
YeongDeungPo-Ro, Y.D.Po-Ku
07264 Seoul
Woowon Kim
Tel.: +82 2 2671 4311
Mob.: +82 10 4275 9191
starmec@naver.com

HONG KONG/CHINA/TAIWAN:

TEPRO METAL AG

(Asia representative office)
HSE 1 Jade View Villa, No.20 Tsing Tai Road
Tuen Muen, New Territories
HONG KONG
Ederson Chen
Tel.: +852 26188572
Mob.: +852 63487695, +8618666418197
echen@sofiamed.bg

SINGAPORE/THAILAND/MALAYSIA

Eztechnik Pte. Ltd.
3791 jalan Bukit Merah #07-04
E-Centre @ Redhill
Singapore 159471
Remy Choo
Tel.: +6562721221
Mob.: +65 93836825
remy.choo@eztechnik.com

RUSSIA:

TEPRO METALL AKTIENGESELLSCHAFT REPRESENTATION OFFICE MOSCOW

Leninskij Prospekt 158, office 306,
119571 Moscow
Viktor Wanzowitsch
Tel.: +7 916 208 32 19
vwanzowitsch@inbox.ru

ROMANIA: STEELMET ROMANIA S.A.

42 Drumul intre Tarlale street
3rd district, 032982 Bucharest
Tel.: + 40 21 2090570
Fax: + 40 21 256 1464
office@steelmet.ro
www.steelmet.ro

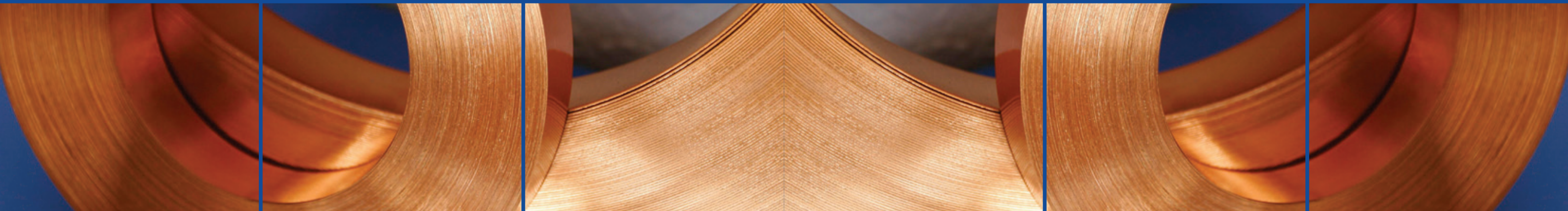
TURKEY: BASE METAL

Barbaros Mah. Mustafa Pehlivan Sok.
21/1 Uskudar 34662, Istanbul
Can Savaş
Tel.: +90 216 688 76 40-44
Fax: +90 216 688 76 18
info@base-metal.com.tr
csavas@base-metal.vionet.gr
www.base-metal.com.tr

USA: CPW AMERICA CO

10497 Town & Country Way, Suit,
77024 Houston
Dimitar Dimitrov
Tel.: +35929606235
Mob.: +359894752235
dmdimitrov@sofiamed.bg

SOFIA MED



SOFIA MED

4 Dimitar Peshev str.
Gara Iskar, 1528 Sofia
BULGARIA
Tel.: +359 2 960 6209
Fax: +359 2 960 6393
e-mail: info@sofiamed.bg
www.sofiamed.bg

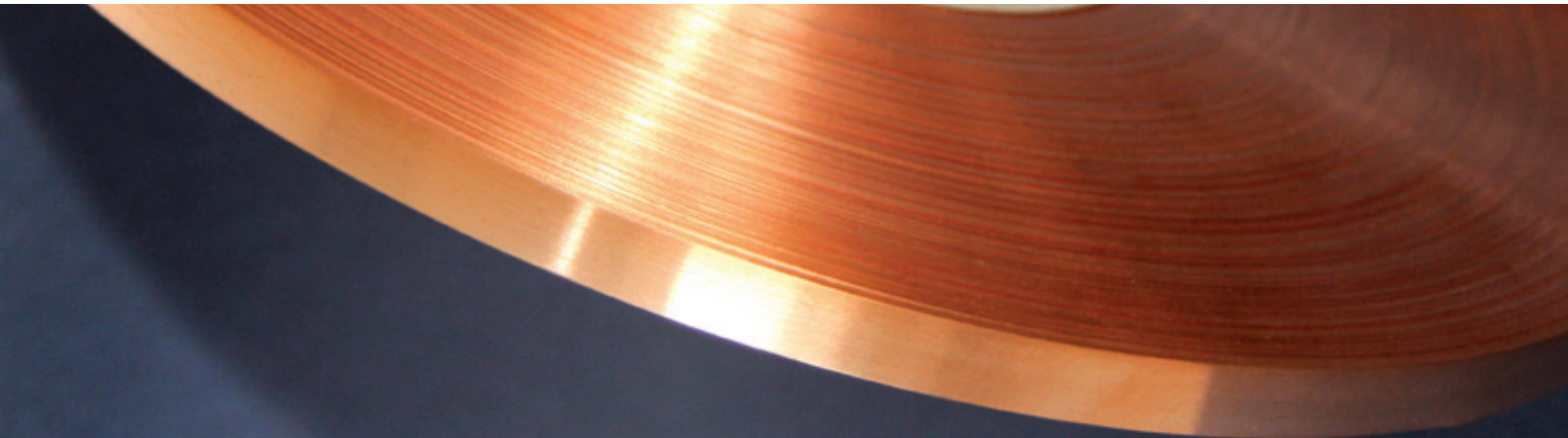
CONNECTOR STRIPS



The variety of connectors for several uses has been increased in the last decade rapidly. Today we know connector applications in different fields, the most important one for sure is the automotive application, but we know, as well, connectors for telecommunications, computers, white & brown goods (commodity connectors) and, last but not least, for switches and relays.

All these applications have different core points:

Electrical conductivity; Welding-and solderability; Stampability; Corrosion resistance; Spring properties; Relaxation behavior; Softening and continuous use temperature; Welding- and solderability.



Sofia Med is a producer of a wide range of rolled and extruded copper and copper alloy products such as sheets, strips, plates, circles, disks, bare and plated copper bus bars, rods, profiles, components, fabricated parts and wire that are used in a wide variety of building and industrial applications.

Sofia Med is part of the ElvalHalcor Hellenic Copper and Aluminium industry S.A., a leading global manufacturer of aluminium and copper rolled and extrusion products.

Sofia Med is situated in Sofia, Bulgaria, on a 250 000 m² area and has three production units: Foundry, Rolling and Extrusion.

With more than 80 years of manufacturing experience and significant investments, **Sofia Med** has evolved into a competitive modern European company with customers globally.

Sofia Med operates under strict quality, environmental, as well as health and safety management systems, in compliance with ISO 9001:2015, IATF 16949:2016, ISO 14001:2015, OHSAS 18001:2017, ISO 50001:2011, as well as follows the guidelines of ISO 26000:2010 for social responsibility.

The wide product range of **Sofia Med** meets the requirements of the Unified European standards (EN), as well as BS, DIN, ASTM, JIS standards, or any other specific customer request.

COPPER

Pure copper is still playing an important role in the spectrum of the materials to be used as connector.

Sofia Med can produce all relevant coppers in equivalent qualities like SM1100 (ETP-copper), SM1010 (OFHC-copper), SM1030 (Cu-PHC), SM1031 (Cu-HCP), SM1201 (Cu-OLP) and, last but not least: SM1220 (Cu-DHP).

LOW ALLOYED COPPER

Low-alloyed coppers become more and more important for electromobility applications; these are, as well, in our product range: SM201 (CuSn0,15), SM 202 (CuFe0,10), SM194 (CuFe2p) and SM301 (CuZn0,5).

BRASS

The biggest volume of the connectors nowadays is still produced in brass. **Sofia Med** produces all, from the low zinc content of SM305 (CuZn5) to the highest SM340 (CuZn40). As well the replacements of CuSn6 and CuSn8 with **Sofia Med** SM688 (CuZn23Al3Co) becomes more and more important.

SPECIAL ALLOYS = HIGH PERFORMANCE ALLOYS (HPA'S)

Because of the very good relaxation behavior and high tensile strength with good electrical conductivity, the copper-nickel-silicon alloys (CuNiSi or Corosons) have been identified as very important alloys in the connectors industry. **Sofia Med** can produce solution annealed qualities for all important CuNiSi strips.

Sofia Med is one of the leading suppliers of copper and copper alloys in rolled form. With an investment program worth over 190 million € for the period 2001-2018, **Sofia Med** is prepared to face all challenges the connector market provides.

GENERAL PROPERTIES

Thickness	
Width	
CID	
Length of mandrel	
0,1 – 2,0 mm	
8 – 60 mm	
300/400/500 mm	
400 mm	

Thickness	
Width	
Tin layer	
0,1 – 1,2 mm	
upon request	
1-14 mm	

Thickness	
Width	
0,075 mm - 5,00 mm	
8,00 mm - 1250 mm	

Pretinned surface - upon request.

Thickness	
Width	
0,15 mm - 1,00 mm	
8,00 mm - 100,00 mm	

COPPER	NAME	DIN	UNS	JIS	Electrical Conductivity		
					in IACS%	HV min	HV max
SM1100	Cu - ETP	CW004A	C11000	C1100	100	40	130
SM1010	OF - Cu	CW008A	C10200	C1010	98	40	130
SM1030	Cu - PHC	CW020A	C10300	C1030	97	40	130
SM1031	Cu - HCP	CW021A	---	---	97	40	130
SM1201	Cu - DLP	CW023A	C12000	C1200	90	40	130
SM1220	Cu - DHP	CW024A	C12200	C1220	78	40	130

LOW ALLOYED COPPER							
SM201	CuSn0,15	CW117C	C14410	C1441	88	80	160
SM202	CuFe0,10P	---	C19210	C1921	85	80	160
SM194	CuFe2p	CW107C	C19400	C1940	60	80	170

BRASS							
SM301	CuZn0,5	CW119C	---	---	83	40	180
SM305	CuZn5	CW500L	C21000	C2100	57	45	180
SM310	CuZn10	CW501L	C22000	C2200	42	50	180
SM315	CuZn15	CW502L	C23000	C2300	36	55	180
SM328	CuZn28	CW504L	---	---	30	55	160
SM330	CuZn30	CW505L	C26000	C2600	28	55	180
SM333	CuZn33	CW506L	C26800	C2680	28	55	180
SM335	CuZn35	CW506L	C26800	C2680	27	55	180
SM336	CuZn36	CW507L	C27000	C2700	27	55	180
SM337	CuZn37	CW508L	C27200	C2720	27	85	140
SM340	CuZn40	CW509L	C28000	C2800	26	80	140

SPECIAL BRASS							
SM425	CuSn3Zn9	---	C42500	C4250	28	80	210
SM688	CuZn23Al3Co	CW703R	C68800	C6880	17	150	260

SPECIALTIES HPA							
SM76	CuNi1,5Si	CW109C	C19010	---	60*	100	180
SM76S	CuNi1,5SiZn	---	C19005	---	58*	100	180
SM7026	CuNi2Si	CW111C	C70260	C7026	45*	100	160
SM6475	CuNi2SiSn	---	C64750	C6475	40*	100	160
SM7025	CuNi3SiMg	CW112C	C70250	C7025	43*	180	230

*Electrical conductivity depends on specifications