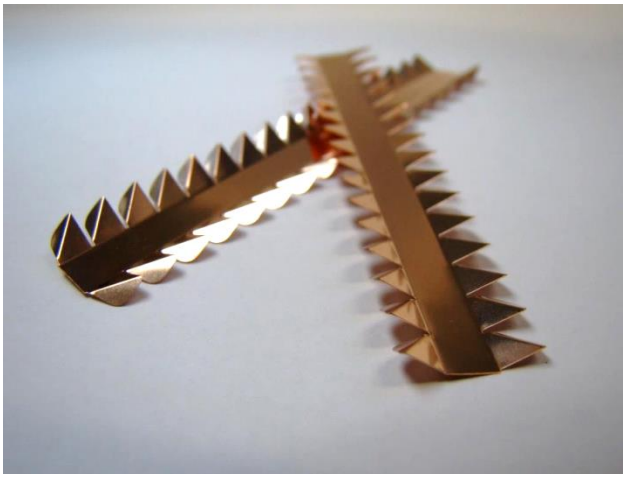
CONTACT SPRINGS
FCB-516

Twisted contact springs are made of copper beryllium (CuBe) with a bright clean surface as standard. CuBe offers excellent electric and thermal conductivity in combination with a high material strength. On request a surface finish like tin-, zinc-, nickel-, silver- or gold-plating can be applied.

The standard program offers a huge variety of contact springs with different mounting methods and dimensions. The contact springs can also be cut to length.

- Different surfaces available
- Custom length available
- Mounting method: stick-on (with adhesive tape)
- Excellent electric and thermal conductivity; high material strenght
- Resistance to environmental influences and against corrosion
- High temperature resistance



RoHS ✓ REACH ✓

PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE
Basic material	Copper beryllium (CuBe)
Surfaces	Blank, gold-, silver-, tin-, nickel-, zinc-plated
Density	8,36 g/cm³
Thermal expansion coefficient	17,5 x 10^{-6} m/m°C @ -20°C – 200°C
Thermal conductivity	105 W/m*K
Melting point	870 °C
Electrical conductivity	17 – 28 % – IACS*
Operation temperature	-30 -100 °C
Storage humidity	<50 HR

* IACS: International Annealed Copper Standard

Please note: Picture only shows an example of a contact spring.

BUILDING AN ITEM NUMBER

FCB-XXX-YYY-XXF

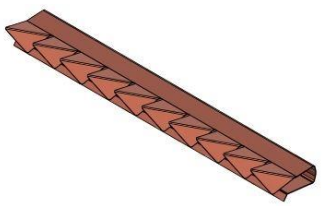
Contact spring CuBe	
Part number	
BL	Blank
AU	Gold-plated
AG	Silver-plated
SN	Tin-plated
NI	Nickel-plated
ZN	Zinc-plated
xxF	Number of fingers
xxx	Length (in mm)

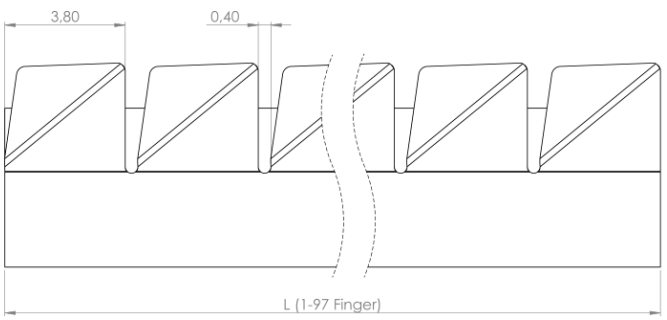
Standard options

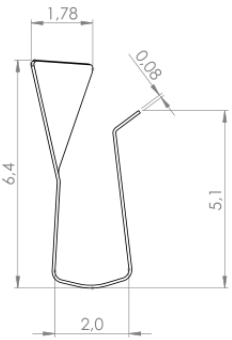
EXAMPLE

FCB-516-AU-32F
Contact spring CuBe; contact spring number: 516; gold-plated; length: 32 fingers

DIMENSIONS







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