

OS-UZ Wire

Patent Pending

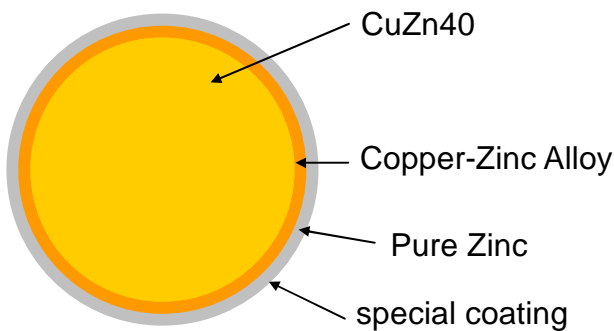
High Speed, High Precision and Clean EDM

Characteristics of OS-UZ Wire

- Compared with conventional wires, OS-UZ achieves 30% higher cutting speed while rough cut, also improves the smoothness of surface and positioning accuracy.
- Special coating on the wire prevents rusting and much improves its shelf-life.
- A newly developed manufacturing technology enables the wire to reduce metal powder drastically compared with the conventional wires.

Technical details

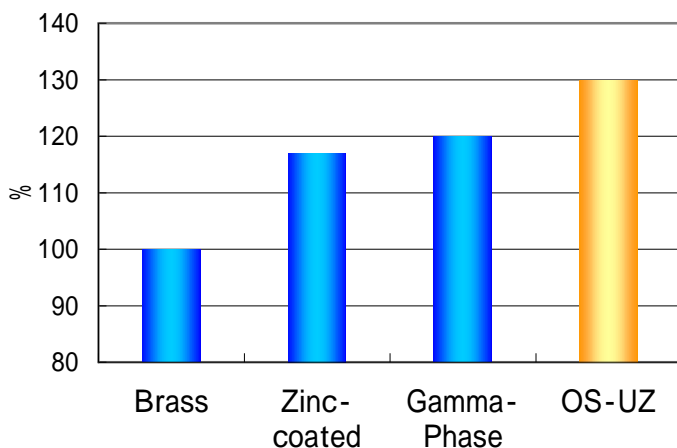
	Core material	Coating material (inner layer)	Coating material (outer layer)	Tensile strength	Elongation
UZ Wire	CuZn40	Copper-Zinc Alloy	Pure Zinc	900N/mm ² <	3% >



Cross section of UZ Wire



Cutting speed



Cutting speed Comparison
(Values are speed ratios compared with Brass wire as a reference)

Product line up

Spool	Nominal weight		Wire diameter mm (inch)		
	kg	lbs			
P-5R	5	11	0.20 (0.008)	0.25 (0.010)	0.30 (0.012)
P-10	10	22	0.20 (0.008)	0.25 (0.010)	0.30 (0.012)
P-15	20	44	0.20 (0.008)	0.25 (0.010)	0.30 (0.012)
DIN160	6	13.2	0.20 (0.008)	0.25 (0.010)	0.30 (0.012)
DIN200	15	33	0.20 (0.008)	0.25 (0.010)	0.30 (0.012)

Oki Electric Cable Co., Ltd.

<http://www.okidensen.co.jp/>