

# AISI 304L Stainless Steel Straight Wire

**Formula:** Fe/Cr18/Ni10

**Product Shape:** Straight Wire

**Diameter:** 0.3mm

**Length:** 1m

**Temper:** Annealed

**UOM Code:** 654-637-56

**SKU:** 1000086913-group

**Product Code:** FA14-WR-000100

## Material Properties for Alloys

### Mechanical Properties

Element	Value
Elongation at break( % )	58
Tensile strength( MPa )	565

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	72
Temperature coefficient( $\text{K}^{-1}$ )	-

### Thermal Properties

Element	Value
Thermal conductivity( $\text{W m}^{-1} \text{K}^{-1}$ )	16.2@23°C
Coefficient of thermal expansion( $\times 10^{-6} \text{K}^{-1}$ )	17.3@23°C