

# Hastelloy® X Spooled Wire

**Formula:** Ni49.5/Cr22/Fe18/Mo 9/Co 1/W

**Product Shape:** Spooled

**Diameter:** 0.8mm

**Length:** 5m

**Temper:** Annealed

**UOM Code:** 015-436-21

**SKU:** 1000001926-group

**Product Code:** NE07-WR-000130

## Material Properties for Alloys

### Magnetic Properties

Element	Value
Initial permeability	1.002

### Mechanical Properties

Element	Value
Elongation at break( % )	46
Tensile strength( MPa )	740-760

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	118
Temperature coefficient( $\text{K}^{-1}$ )	-

### Thermal Properties

Element	Value
Melting point( C )	1260-1355
Specific heat( $\text{J K}^{-1} \text{kg}^{-1}$ )	486@23°C
Thermal conductivity( $\text{W m}^{-1} \text{K}^{-1}$ )	9.1@23°C
Coefficient of thermal expansion( $\times 10^{-6} \text{K}^{-1}$ )	13@25-100°C

## Physical Properties

Element	Value
Density( gcm <sup>3</sup> )	8.22