

Cobalt/Chromium/Iron/Nickel/Molybdenum/Manganese Alloy Spooled Wire (Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/Be)

Formula: Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/Be

Product Shape: Spooled

Diameter: 0.5mm

Length: 20m

Temper: Hard

UOM Code: 026-223-49

SKU: 1000003097-group

Product Code: CO12-WR-000150

Material Properties for Alloys

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	95

Thermal Properties

Element	Value
Melting point(C)	1450-1460
Specific heat(J K ⁻¹ kg ⁻¹)	430@20°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	12.5@20°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	12.5@0-100°C

Physical Properties

Element	Value
Density(gcm ⁻³)	8.3

Mechanical Properties

Element	Value
Modulus of elasticity(GPa)	200

Element	Value
Tensile strength(MPa)	800-2200