

Material: IS 4171

Standard Specification for Copper Wires for General Engineering Purposes

Group: Non-Ferrous Copper Alloy

Sub Group: IS 4171 Copper Wires for General Engineering Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Wire

Chemical Composition		
Tin	Sn %	0.010 max.
Lead	Pb %	0.010 max.
Iron	Fe %	0.030 max.
Nickel	Ni %	0.100 max.
Arsenic	As %	0.05 max.
Antimony	Sb %	0.005 max.
Bismuth	Bi %	0.003 max.
Phosphorus	P %	0.0150 - 0.060
Selenium + Tellurium	Se % + Te%	0.020 max.
Other	Ot%	0.060 max.
Copper	Cu %	99.500 max.
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As Raw

Mechanical Properties	
Tensile Strength in Mpa	230 max.
Yield Strength in Mpa	-
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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