

BEAD WIRE

Standard: GB/T 14450-2008, ISO16650-2004 or customer's specification

Material type: SWRH 72A, SWRH 82A as per JIS G3506

Table 1 Nominal diameter and tolerance (mm)

Wire diameter	tolerance	out of roundness
$d \leq 1.65$	± 0.02	≤ 0.02
$d > 1.65$	± 0.03	≤ 0.03

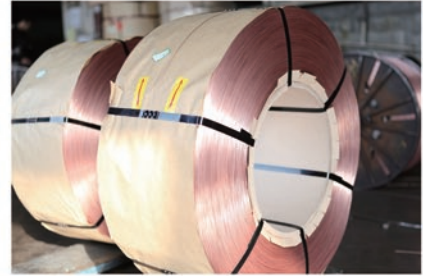


Table 2 Tensile strength of steel wire

Nominal diameter (mm)	tensile strength (MPa), no less than	
	NT grade	HT grade
$0.75 \leq d < 0.95$	1900	2150
$0.95 \leq d < 1.25$	1850	2050
$1.25 \leq d < 1.70$	1750	
$1.70 \leq d < 2.10$	1500	



Table 3 Minimum twist number of steel wire

Grade	nominal diameter (d/mm)	twist number (times/360°)	distance of test (L)
NT	$d < 1.00$	50	$L = 200d$
	$1.00 \leq d < 1.30$	25	$L = 100d$
	$1.30 \leq d < 1.42$	22	
	$d \geq 0.95$	20	
	$d < 1.00$	50	$L = 200d$
HT	$1.00 \leq d < 1.82$	20	$L = 100d$
	$d \geq 1.82$	15	

Table 4 Copper composition and thickness

Copper type	chemical composition		Copper thickness (μm)	Copper weight (g/kg)
	Cu (%)	Sn(%)		
Low tin bronze	≥ 97.0	0.3 – 3.0	0.125 ± 0.07	$(0.548 \pm 0.320)/d$