

## SPECIFICATION GALVANIZED STEEL WIRE

**PRODUCTS:** Galvanized Wire High Carbon Bale Tie- 42" Carriers

**STANDARD:** Wire to meet applicable requirements of ASTM A-641

### WIRE MECHANICAL PROPERTIES

Gauge	Diameter Range (in)	Break Load (Lbs.)		Elongation %	Weight of Coat (oz./ft <sup>2</sup> )
11	0.119 -- 0.122	1640 min	1979 max	6.5 %	Commercial
12	0.105 – 0.107	1290 min	1545 max	6.5 %	Commercial

Notes:

1. Wire to be annealed and continuously galvanized (hot dip)
2. Steel to have fully recrystallized structure.
3. Galvanized surface to be bright and smooth, free from scoring, mis-galvanized/black spots and discoloration. No lumps or reverse spooling, no knots or poor welding- butt welds filed smooth, no hard or soft spots within coil. White rust is not acceptable. Excessive amounts of any of the above defects, which interfere with normal process, will be considered cause for rejection.
4. Adherence of zinc coating and ductility testing as per ASTM A641-03
5. Galvanized wire surface should be coated with light wax (soluble oil) to facilitate good packaging and serve as a lubricant during further working operations.

### METERIAL RECOMMENDATIONS

1. AISI C 1072 grade steel

Notes: Different steel composition can be used, providing that wire meets mechanical properties requirements.

### PACKAGING AND TAGGING

1. Carrier dimensions: 19 X 36 X 42 (Arbor X Base X Height).
2. Outside diameter: 36" max
3. Package weight 1400 lbs. -1800 lbs. Note: all packages have a +/- 50 lbs. tolerance.
4. Wire to be packaged in an even lay pattern, without loose voids.
5. Wire loop dimensions (cast): Horizontal : 28" - 32": Vertical (helix or wire leg separation): 4" max