



## **Straight Ceiling Wire Galvanized**

### **Catalog# CW1212**

### **12 Gauge x 12 Foot Straight Ceiling Wire**

Section Table Of Contents Div. 09 – Finishes Section 09510 Acoustical Ceilings

2.3.1 – Wires Shall Conform To ASTM A641/A 641M

American Standard Wire Gauges For Steel - 12 Gage

Diameter Inches: .1055" (+/- .003)

Diameter (mm): 2.680

LBS Per 1000 FT: 29.476

Feet Per LB: 33.618

Area (in<sup>2</sup>): 0.008742

Performance Data – 12 Gauge Wire

Typical 3 Wrap Tie Per ASTM C636 270 LBS (Wire Tie Failure/Pullout Load)

Tight 3 Wrap Tie 358 LBS (Wire Tie Failure/Pullout Load)

Yields 424 LBS (Wire Tie Failure/Pullout Load)

Ultimate Load 550 LBS

Tensile Strength 75 KSI Max

Splice Options – Hanger wire splices are typical when the ceiling drop is greater than the length of the wire available and are allowed in seismic ceiling construction. The industry standard is to loop and tie the wire ends with three tight turns, or use a square knot. The square knot is the stronger of the two options at 550 LBS versus 350 LBS for the loop and tie option.

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