



## • Application

Galvanized Steel Wires (GSW) are versatile and widely used in various applications, particularly in electrical transmission and support systems. Key applications include:

**Overhead Ground Wire (Earth Wire):** Used as a grounding wire on transmission lines to protect against lightning strikes and ensure safety.

**Static Wire:** Serves as a static wire on transmission lines to mitigate the effects of electrical noise and surges.

**Pole or Structure Guy Wires:** Provides structural support for poles and towers, ensuring stability and durability.

**Messenger Cable:** Used as a supporting messenger cable for field-erected aerial cables, providing strength and stability.

## • Advantage

**High Tensile Strength:** The galvanized steel construction provides exceptional tensile strength, making GSW ideal for applications requiring strong and durable support.

**Corrosion Resistance:** Galvanization offers excellent protection against corrosion, ensuring a long service life even in harsh environmental conditions.

**Versatility:** Suitable for a wide range of applications, from electrical grounding and support to serving as messenger cables in aerial installations.

**Durability:** The robust construction and corrosion-resistant properties of GSW make it highly durable, reducing maintenance needs and increasing reliability.

**Cost-Effective:** Galvanized steel wires offer a cost-effective solution for many industrial and utility applications, combining strength and durability at a competitive price.

## • Construction

The construction of GSW in compliance with GOST 3063 involves the following:

**Core:** A central wire made of galvanized steel, providing the primary tensile strength and structural integrity.

**Outer Layers:** Additional layers of galvanized steel wires concentrically stranded around the central core. This configuration enhances the overall strength and durability of the wire, ensuring optimal performance in its applications.

## • Specification

-GOST 3063

## • Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

## • Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



## • National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

\*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

Nominal Cross Sectional Area	Stranding		Overall Dia.	Weight	Rated Strength						
	Center Wire	Inside Layer			1370	1470	1570	1670	1770	1880	1960
mm <sup>2</sup>	1 wire	18 wires	mm	kg/km	kN	kN	kN	kN	kN	kN	kN
29.48	1.50	1.4	7.10	253.00	36.35	38.95	41.55	44.100	45.850	48.000	50.500
33.82	1.60	1.5	7.60	290.50	41.65	44.65	47.65	50.550	52.750	55.050	60.400
38.46	1.70	1.6	8.10	330.00	44.40	50.8	54.20	57.600	59.950	62.600	65.900
43.4	1.80	1.7	8.60	372.50	53.55	57.35	61.20	65.000	67.700	70.650	74.400
48.64	1.90	1.8	9.10	417.50	59.95	64.3	68.60	72.850	75.900	79.200	83.300
60.35	2.20	2	10.00	519.00	74.45	79.8	85.10	94.100	93.500	98.000	102.400
72.95	2.40	2.2	11.00	627.40	89.95	96.1	102.00	109.000	112.500	118.500	123.500
86.74	2.60	2.4	12.00	746.00	106.00	114.5	122.00	129.000	134.000	140.500	147.000
101.72	2.80	2.6	13.00	873.00	124.50	134	143.00	151.500	158.000	165.000	173.500
117.9	3.00	2.8	14.00	1050.00	145.50	155	166.00	176.000	183.500	190.000	200.500
135.28	3.20	3	15.00	1160.00	166.50	178	190.00	202.000	210.500	220.000	231.500
153.84	3.40	3.2	16.00	1320.00	189.50	202.5	216.50	226.000	236.500	-	-
173.60	3.60	3.4	17.00	1490.00	214.00	229	244.50	255.500	267.500	-	-
216.7	4.00	3.8	19.00	1855.00	267.00	286	305.00	318.500	334.000	-	-