



ANBAO



Product Catalogue

Wire & Wire Products

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ANBAO Corp. got its inception in 1996 and was headquartered in the beach city Qinhuangdao. We are a metal expert specializing in the manufacture of various wire products, such as steel wires, wire strands, wire rope, wire meshes and steel nails. We have built up five factories and one sales company in China, with a total manufacture complex of 200,000 square meters and a staff number of 1,200.



Every year, we produce 120,000 tons of wires, 30,000 tons of steel strands, 30,000 tons of steel wire rope, 12 million square meters of steel mesh and 10,000 tons of nails. 95% of our steel wire products are exported to more than 80 countries and regions and are mainly used in power cables, architecture, forestry, fishery, automobiles, packaging and so forth.



Our company passed ISO9001 certificate.

We win customer's trust and satisfaction by optimal quality, professional service and reasonable price.

Our top-notch team will reply you within one working day.

Hot Dipped Galvanized Steel Wire

Size: 0.15mm ~ 8.00mm

Commercial Galvanized, Heavy Galvanized Steel Wire

Tensile Strength: Soft Annealed and high tensile strength

Zinc coating: 12~850g/m²

Application: Weaving, Braiding, Tie Wire, for Cable armoring, ACSR Core wire, Rope wire



Electro Galvanized Steel Wire

Size: 0.25mm ~ 4.00mm

Zinc Coating: Min. 5~50g/m²

Tensile Strength: Soft annealed and high tensile strength

Application: Weaving, Braiding, Fence, Tie wire in building or for further straightened and cut into cut wire or U type wire.

Galvanized Steel Wire for ACSR (ACSR Core Wire, no joint)

Size: 1.25mm ~ 4.77mm

Material: high carbon steel.

Application: for manufacture of ACSR Cable & Conductor ACSR Core wire

both Spool-type and Coil-type packing are available:

Normal Coils: 5~25kgs with 6"~8" coil ID, 25-50kgs with 12"~18" coil ID

Rosette Coils: Weight from 150kgs~800kgs, Coil ID/OD:

ID250mm/OD400mm ID390mm/OD660mm

ID500mm/OD800mm ID330mm/OD600mm

ID400mm/OD660mm ID508mm/OD840mm

ID340mm/OD500mm ID400mm/OD770mm

ID560mm/OD810mm ID340mm/OD590mm

ID410mm/OD600mm ID355mm/OD660mm

ID430mm/OD760mm ID360mm/OD570mm

ID450mm/OD700mm ID450mm/OD800mm

Spools Type:

DIN100 1.5kgs

DIN125 3kgs

DIN160, 5kgs

DIN200 14kgs

DIN250, 20kgs

DIN355 40kgs

BB20, 18kgs

BB35 30kgs

MP100 90-100kgs

FB100 90-100kgs

RP400 500kg

Other coil sizes and spool or reel sizes available.



BS		ASTM	IEC
BS 4565	EN 50189	B498	888 Regular

ASTM B498

Diameter mm	Size Tolerance mm		Ultimate Tensile Strength Min. Mpa		Stress at 1% Extension Min. Mpa		Elongation in 250mm Min. %		Zn Coating Min. g/m2	
	Coated Wire	Plus	Minus	Class A	Class C	Class A	Class C	Class A	Class C	Class A
1.27 to 1.52, incl	0.038	0.025	1450	1310	1310	1170	3.0	3.0	183	549
1.53 to 1.90, incl	0.038	0.025	1450	1310	1310	1170	3.0	3.0	198	594
1.91 to 2.28, incl	0.051	0.051	1450	1310	1310	1170	3.0	3.0	214	642
2.29 to 2.64, incl	0.051	0.051	1410	1280	1280	1140	3.5	3.0	229	687
2.65 to 3.04, incl	0.051	0.051	1410	1280	1280	1140	3.5	3.0	244	
3.05 to 3.55, incl	0.076	0.051	1410	1280	1240	1100	4.0	3.0	259	
3.56 to 4.57, incl	0.102	0.076	1380	1240	1170	1070	4.0	4.0	274	
4.58 to 4.82, incl	0.102	0.076	1380	1240	1170	1070	4.0	4.0	305	



IEC 888 - CLASS 1 COATING

Regular Grade

Nominal Diameter mm		Size Tolerance mm	Ultimate Tensile Strength min		Stress at 1% Extension min		% Elongation min	TORSION	Zn coating min	Wrapping Mandrel Dia
From	To - Incl.	+/-	N/mm ²	Kg/mm ²	N/mm ²	Kg/mm ²	GL= 250 mm	GL = 100xd	g/m ²	(X x OD)
1.24	1.50	0.03	1340	137	1170	119	3	18	185	1
1.50	1.75	0.03	1340	137	1170	119	3	18	200	1
1.75	2.25	0.03	1340	137	1170	119	3	18	215	1
2.25	2.75	0.04	1310	134	1140	116	3	16	230	1
2.75	3.00	0.05	1310	134	1140	116	3.5	16	230	1
3.00	3.50	0.05	1290	132	1100	112	3.5	14	245	1
3.50	4.25	0.06	1290	132	1100	112	4	12	260	1
4.25	4.75	0.06	1290	132	1100	112	4	12	275	1
4.75	5.50	0.07	1290	132	1100	112	4	12	290	1



BS 4565

Tensile strength grade, N/mm ² , min.		1500			1700			1800		
Nominal diameter of galvanized wire		Min. stress at 1% elongation	Min. Elongation L=200mm	Steel wrap test dia.	Min. stress at 1% elongation	Min. Elongation L=200mm	Steel wrap test dia.	Min. stress at 1% elongation	Min. Elongation L=200mm	Steel wrap test dia.
Over	Up to and including									
mm	mm	N/mm ²	%		N/mm ²	%		N/mm ²	%	
1.18	1.32	1260	3.0	1d*	1320	3.0	2d*	1370	3.0	3d*
1.32	1.80	1260	3.5	1d	1320	3.0	2d	1370	3.0	3d
1.80	2.24	1260	3.5	2d	1320	3.0	2d	1370	3.0	3d
2.24	2.72	1260	3.5	2d	1320	3.5	3d	1370	3.0	3d
2.72	2.90	1260	3.5	2d	1320	3.5	3d	1370	3.0	3d
2.90	4.00	1260	4.0	3d	1320	3.5	3d	-	-	-
4.00	5.00	1260	4.0	3d	-	-	-	-	-	-

*d=nominal diameter of galvanized wire.
L=original gauge length.



Galvanized steel wire for armouring cable (Cable Armour Wire)

Size: 0.90mm, 1.25mm, 1.60mm, 2.00mm, 2.50mm, 3.15mm, 4.00mm;
0.87mm, 1.21mm, 1.54mm, 1.94mm, 2.43mm, 3.05mm, 3.80mm

Material: Low carbon steel

Tensile strength: 340-500 N/mm² for all sizes

Elongation: Min.10% for all sizes

Packing: jumbo coil, Inner 4 metal strips and 4 lift ring with plastic bag and PE woven cloth outside.

Standard: according to BS EN10257-1, EN10244-2 (BS443, BS5467, BS1442),

Sizes	Tolerance (mm)	Tensile strength (N/mm ²)	Elongation at 250mm gauge (Min.)	Zinc coating g/m ²	Elec. Resistance at 20°C (Max.)	Coil ID (mm)	Coil Wt. (Kg)
0.90mm	± 0.035	340-500	10%	Min.155	216.92Ω/km	350-500	400-500
1.25mm	± 0.040	340-500	10%	Min.180	112.45Ω/km	350-500	400-500
1.60mm	± 0.045	340-500	10%	Min.195	68.64Ω/km	350-500	500-600
2.00mm	± 0.050	340-500	10%	Min.215	43.93Ω/km	350-500	500-600
2.50mm	± 0.060	340-500	10%	Min.245	28.11Ω/km	350-500	500-600
3.15mm	± 0.070	340-500	10%	Min.255	17.71Ω/km	350-500	500-600
4.00mm	± 0.070	340-500	10%	Min.275	10.98Ω/km	350-500	500-600



Vineyard Wire

Size: 1.60mm-4.0mm

Coating: Zinc Coated or Galvan Coated

Tensile strength: Low carbon 450-600N/mm²;
High carbon 1160-1510N/mm²

Specification: ASTM A641, EN10244-2 or BS443 coating

Packing: 5x100lbs or 10x100lbs or 15x25kg;

Normal coils or Traverse coils



Black annealed wire

Size: 0.20mm~5.00mm (wire gauge 5# to 36#)

Material: low carbon steel

Application: weaving, binding, tie wire in building or for further straightened and cut into cut wire or U type wire.

Packing: Spool, normal coil, orbit coil etc.



Wire Gauge	SWG in mm	BWG in mm	In Metric System mm
8#	4.06	4.19	4.00
9#	3.66	3.76	-
10#	3.25	3.40	3.50
11#	2.95	3.05	3.00
12#	2.64	2.77	2.80
13#	2.34	2.41	2.50
14#	2.03	2.11	-
15#	1.83	1.83	1.80
16#	1.63	1.65	1.65
17#	1.42	1.47	1.40
18#	1.22	1.25	1.20
19#	1.02	1.07	1.00
20#	0.91	0.89	0.90
21#	0.81	0.813	0.80
22#	0.71	0.711	0.70



U Type Wire

Tie Wire in Small Coil with Square hole or Round hole



Bright annealed wire (Oxygen Free Wire)

Size: 0.20mm ~5.00mm

Material: low carbon steel, annealed with shielding gas.

Tensile strength: 300-450N/mm²

Coating : UN-galvanized

Application: binding, weaving.

Packing: Spool, normal coil, orbit coil etc.



Annealed with shielding gas (Oxygen Free Annealed)

Spring steel wire

For production springs, wire forms or hard needle.
Standard:

DIN17223-1, EN10270-1, ASTM-A227, GB4357-89
or according customer's special requirement.

Coating: Non-Coating, Phosphated or Galvanized.

Size: 0.30mm-14.0mm

Specifications:

(1) 0.30mm-13.00mm

to comply with DIN17223-1-1984 Class B

(2) 0.30mm-3.50mm

to comply with DIN17223-1-1984, Class C, EN10270-SH

(3) 0.30mm-2.00mm

to comply with DIN17223-1-1984 Class D

(4) 0.30mm-13.00mm

to comply with ASTM-A227 grade I and II

Surface: Lightly or heavily-oiled subject to requirement.

Packing: in coil or on carrier.

Packing weight: 5-1000kgs depends on different sizes.



Oil Tempered Spring Steel Wire

for dynamic loads spring

Standard: ASTM A229, EN10270-2, JIS G 3560.

Regular grade: 55SiCr, 54SiCr6, SAE9254,
SAE9254V, 60Si2MnA, 50CrVA, 65Mn etc.

Surface: Phosphated or Un-Coating.

Packing: in coils.

Grade	Static	Medium fatigue	High fatigue
Low tensile strength	FDC	TDC	VDC
Medium tensile strength	FDCr (A.B) FDSiMn	TDCrV (A.B) TDSiMn	VDCrV (A.B)
High tensile strength	FDCrSi	TDCrSi	VDCrSi
Diameter range mm	2.80~14.00	2.80~14.00	2.80~10.00

NO.	Diameter (mm)	Tensile Strength (Mpa)	Torsions Min./360°
1	0.30mm	2010-3000	20
2	0.45mm	2200-2600	20
3	0.50mm	2200-2600	20
4	0.55mm	2150-2550	20
5	0.60mm	2110-2500	20
6	0.70mm	2060-2450	20
7	0.80mm	2010-2400	20
8	0.90mm	2010-2350	20
9	1.00mm	1960-2300	20
10	1.20mm	1910-2250	20
11	1.40mm	1860-2210	20
12	1.60mm	1810-2160	20
13	1.80mm	1760-2110	15
14	2.00mm	1710-2010	15
15	2.30mm	1660-1960	15
16	2.60mm	1660-1960	15
17	2.90mm	1620-1910	12
18	3.20mm	1570-1860	12
19	3.60mm	1570-1810	12
20	4.00mm	1570-1810	
21	4.50mm	1520-1710	
22	5.00mm	1470-1710	
23	5.50mm	1470-1710	
24	6.0mm-8.0mm	1370-1660	
25	9.0mm-14.0mm	1130-1420	



Steel wire for ropes

For the production of steel wire ropes, wire after the heat treatment process.

Diameter: from 0.20 mm up to 5.50 mm.

Coating: without coating, Phosphated or galvanized.

Standard:

DIN 2078 - Zinc coating has the following thickness groups: Un-galvanized; Galvanized; Hard galvanized.

EN 10264-2 - Zinc coating has the following thickness groups: Un-galvanized; Galvanized acc. to class B.

MECHANICAL PROPERTIES acc. to DIN 2078:

Diameter mm	Tensile strength N/mm ²		
	Un-galvanized - Bk	Galvanized - noZn	Hard galvanized - diZn
0.20-0.26	1570 -1960	1570-1960	-
0.28-0.32	1570 -1960	1370 -1960	-
0.34-0.63	1370 -1960	1370 -1960	-
0.65-1.25	1370 -1960	1370 -1960	1370 -1770
1.26-1.70	1370 -1960	1370 -1960	1370 -1770
1.75-2.00	1370 -1960	1370 -1960	1370 -1770
2.05-3.60	1370 -1960	1370 -1960	1370-1570
3.65-3.90	1370 -1960	1370 -1570	1370-1570
4.00-5.40	1370 -1770	-	-
5.50-6.00	1370-1570	-	-

MECHANICAL PROPERTIES acc. to EN10264-2:

Diameter mm	Tensile strength N/mm ²	
	Un-galvanized	Galvanized (class B)
0.40-0.63	1370-2160	1370-1960
0.65-1.25	1370-2160	1370-1960
1.26-1.70	1370-2160	1370-1960
1.75-3.60	1370-1960	1370-1770
3.65-3.90	1370-1960	-
4.00-5.40	1370-1770	-
5.50-6.00	1370-1570	-
3.65-3.90	1370 -1960	1370 -1570
4.00-5.40	1370 -1770	-
5.50-6.00	1370-1570	-

Packing:

0.2-0.65mm in small coils or on spools;

0.6-1.3mm in small coils or in Z2 coils;

1.3-3.0mm in coils with weight 100-150 kg or in coils Z2;

2.5-5.5mm in coils with weight up to 1000kgs.



EAA coated steel wire

EAA (Ethylene Acrylic Acid) coated steel wire for the Fiber to the home (FTTX) cables, Suitable for produce very low bend radius drop cable, FTTX cable and figure 8 cables. The wires are memory free and easily adapt to mechanical stresses.

Wire Size Range: 0.33 - 2.40mm (after coating)

Coating Thickness: 0.20 - 1.00mm

Steel Wire core: Phosphated steel wire
or Galvanized steel wire

EAA Model: Dow Chemical, Model: 3004

Or

Dupont Company, Model: 2002



Stainless Steel Wire

Grade: 201, 301, 304, 304L, 310, 314, 316, 316L, 321, 410, 420, 430 etc.

Diameter: 0.025-18mm

Surface: bright, plain, black, dull and EPQ quality

Type: spring, welded, tig, mig etc
soft and hard

Tensile strength: soft (650-850N/mm²)

hard (around 2000N/mm²)

Packing: 25-500kg/coil, coil ID 12", 14", 16", 18"

Various Spool available: DIN125, DIN160, DIN200, DIN250, PT90, On steel stand 500kg, In drum 100kg or 250kg or as customers' request.

Standard: ASTM A580, ASTM A313 etc.

Quality assurance: Mill Test Certificate is supplied with shipment, third Party Inspection is acceptable



Lashing Wire

Used in a lasher to lash an aerial cable or combination of cables to a supporting strand.

Grade: available in AISI430, 302, 304, 316, 201Cu, 200Cu and other stainless steel alloy

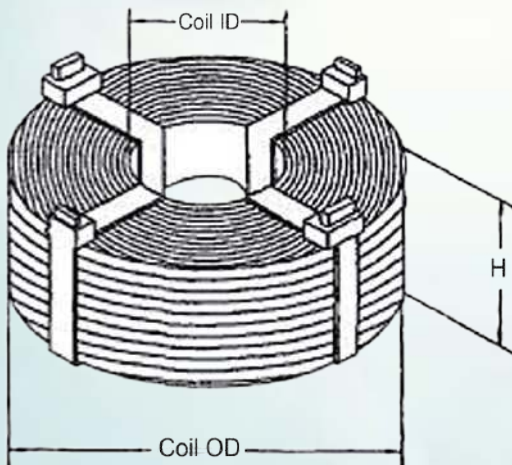
Wire size: 0.8-1.60mm

Surface: Bright, Silvery White

Temper: Soft Annealed

Packing: packaged as 6 coils per carton

Grade	Dia.	Ft. Coil	Meter Coil	Wt. Coil	Coil Dia.	Coil Width
430	0.045"	1200	365.8	6.5 lbs.	5.38 in.	1.81 in.
430	0.065"	650	198.1	7.5 lbs.	5.38 in.	1.81 in.
430	0.065"	450	137.2	5.3 lbs.	4.50 in.	1.75 in.
302	0.045"	1200	365.8	6.3 lbs.	5.38 in.	1.81 in.
316	0.045"	1200	365.8	6.4 lbs.	5.38 in.	1.81 in.
302	0.038"	1600	487.7	6.3 lbs.	5.38 in.	1.81 in.
316	0.065"	450	137.2	5.3 lbs.		



Cold Heading Quality wire

CHQ WIRE refers to the wire required for Cold Heading or Cold Forging.

Material:

Use For	Steel Grade		Process Type
	AISI/SAE	JIS	
Pin, Screw	1006, 1008, 1010	SWRCH10A	HD
Bolt, Nut	10B21, 1006-1010	SWRCH10A, SWRCH15A, SWRCH18A, SWRCH22A, SWRCH45A	HD, SAIP, PASAF



Wire Diameter: 2.0mm-32.0mm

Type: SAIP, SAF, HD

Packing: in big coil or on steel carrier.

Galvanized Steel Tape for Cable Armouring

Armouring steel tape is slitting from big steel coils and then coated with zinc (Hot dipped galvanization) on four sides.

Usage includes armouring jelly filled telephone cables and underground power cables.

Tensile Strength: 28 to 50 Kgf/mm²;

Elongation: minimum 10% on 250 mm;

Mass of Zinc Coating: 60 g/m² to 275 g/m², two sides or both sides including edges (total weight on all four sides) depending buyer's requirement.

Tape Size:

Thickness: 0.15 mm to 2.00 mm;

Width: 4 mm to 150 mm

Coating: 10 microns to 60 microns.

Standards: ASTM A90, ASTM A93, ASTM A459, BS 2989, IS 3975 or as per buyers specification.

Coil Size:

ID: 125 mm to 200 mm;

OD: 400 mm to 800 mm;

or as per buyer's requirement.



Wire Strands

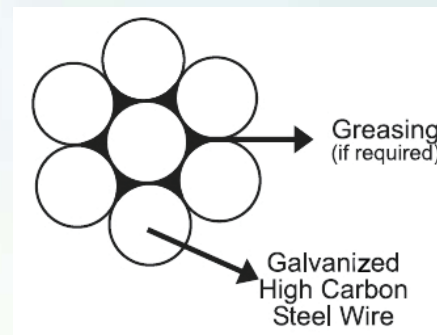
Stay Wire

Application: used in electricity industry, using the wire to stay power poles and tower structures.

Construction: 7 Strand (6+1); 19 Strand (12+6+1)

Specification: BS 183 or other customer specified specifications

Size: 7x1.60 to 19x4.0mm etc.



Construction Number of wires/wire diameter	Approximate strand diameter	Minimum breaking load of strand							Approx. mass
		Grade 350	Grade 480	Grade 700	Grade 850	Grade 1000	Grade 1150	Grade 1300	
	mm	KN	KN	KN	KN	KN	KN	KN	Kg/1000m
3/1.80	3.9	2.65	3.66	-	-	-	-	-	60
3/2.65	5.7	5.80	7.95	-	-	-	-	-	130
3/3.25	7.0	8.70	11.95	-	-	-	-	-	195
3/4.00	8.6	13.20	18.10	-	-	-	-	-	295
4/1.80	4.4	3.55	4.90	-	-	-	-	-	80
4/2.65	6.4	7.70	10.60	-	-	-	-	-	172
4/3.25	7.9	11.60	15.90	-	-	-	-	-	260
4/4.00	9.7	17.60	24.10	35.20	-	-	-	-	390



5/1.50	4.1	3.10	4.24	6.18	-	-	-	-	69
5/1.80	4.9	4.45	6.10	8.90	-	-	-	-	95
5/2.65	7.2	9.65	13.25	19.30	-	-	-	-	220
5/3.25	8.8	14.50	19.90	29.00	-	-	-	-	320
5/4.00	10.8	22.00	30.15	43.95	-	-	-	-	490
7/0.56	1.7	0.6	0.83	1.20	-	1.70	1.98	2.24	14
7/0.71	2.1	0.97	1.33	1.94	-	2.75	3.19	3.60	28
7/0.85	2.6	1.39	1.90	2.80	-	3.95	4.57	5.15	31
7/0.90	2.7	1.55	2.14	3.10	-	4.45	5.12	5.80	35
7/1.00	3.0	1.92	2.64	3.85	-	5.50	6.32	7.15	43
7/1.25	3.8	3.01	4.10	6.00	-	8.55	9.88	11.15	67
7/1.40	4.2	3.75	5.17	7.54	9.16	10.75	12.35	14.00	84
7/RS ⁺	4.3	3.85	5.28	7.70	9.35	11.00	12.65	14.30	86
7/1.6	4.8	4.90	6.75	9.85	11.95	14.10	16.20	18.30	110
7/1.8	5.4	6.23	8.55	12.45	-	17.80	20.50	23.20	140
7/2.00	6.0	7.70	10.55	15.40	-	22.00	25.30	38.60	170
7/2.36	7.1	10.70	14.70	21.40	-	30.60	35.20	39.80	240
7/2.65	8.0	13.50	18.50	27.00	-	38.60	44.40	50.20	300
7/3.00	9.0	17.30	23.75	34.65	-	49.50	56.90	64.30	392
7/3.15	9.5	19.10	26.20	38.20	-	54.55	62.75	70.90	430
7/3.25	9.8	20.30	27.85	40.65	-	58.05	66.80	75.50	460
7/3.65	11.0	25.60	35.15	51.25	-	73.25	84.20	95.20	570
7/4.00	12.0	30.90	42.20	61.60	-	88.00	101.0	114.0	690
7/4.25	12.8	34.75	47.65	69.50	-	99.30	114.0	129.0	780
7/4.75	14.0	43.40	59.45	86.80	-	124.0	142.7	161.3	970
19/1.00	5.0	5.22	7.16	10.45	-	14.92	17.16	19.40	120
19/1.25	6.3	8.16	11.19	16.32	-	23.32	26.81	30.31	180
19/1.40	7.0	10.24	14.04	20.47	-	29.25	33.64	38.02	230
19/1.60	8.0	13.37	18.34	26.75	-	38.20	43.93	49.66	300
19/2.00	10.0	20.90	28.65	41.78	50.74	59.69	68.64	77.60	470
19/2.50	12.5	32.65	44.80	65.29	79.28	93.27	107.3	121.3	730
19/3.00	15.0	47.00	64.50	94.00	114.1	134.3	154.5	174.6	1050
19/3.55	17.8	65.80	90.27	131.6	159.9	188.0	216.3	244.5	1470
19/4.00	20.0	83.55	114.6	167.1	203.0	283.7	274.6	310.4	1870
19/4.75	23.8	117.85	161.6	235.7	286.0	336.7	387.2	437.7	2630

+: The construction of this strand consists of six wires of 1.40 mm diameter on a centre wire of 1.50 mm diameter. The diameter of the centre wire shall not be less than 0.08 mm nor more than 0.12 mm greater than the diameter of the outer wire.

PACKING:

The galvanized steel stay strand protected with paper/polythene/HDPE and outside wooden laggin on drum/reel.

Guy Wire

Standard: According to ASTM A475.

Radio masts, wind turbines, utility poles, fire service extension ladders.



ASTM A475 Specifications For Zinc-Coated Steel Wire Strand

Nominal Diameter of Strand, in. (mm)		Number of Wires in Strand	Nominal Diameter of Coated Wires in Strand (mm)	Minimum Breaking Strength of Strand (KN)				
				Utilities Grade	Common Grade	Siemens-Martin Grade	High-Strength Grade	Extra High-Strength Grade
1/8	(3.18)	7	1.04	---	2.402	4.048	5.916	8.140
5/32	(3.97)	7	1.32	---	3.870	6.539	9.519	13.078
3/16	(4.76)	7	1.57	---	5.115	8.452	12.677	17.748
3/16	(4.76)	7	1.65	10.676 (1)	---	---	---	---
7/32	(5.56)	3	2.64	---	6.228	10.409	15.569	21.796
7/32	(5.56)	7	1.83	---	6.850	11.387	17.126	24.020
1/4	(6.35)	3	3.05	14.012 (2)	8.274	13.523	21.040	29.981
1/4	(6.35)	3	3.05	20.017 (3)	---	---	---	---
1/4	(6.35)	7	2.03	---	8.452	14.012	21.129	29.581
9/32	(7.14)	3	3.30	---	9.252	15.035	23.398	33.362
9/32	(7.14)	7	2.36	20.462 (1)	11.432	18.905	28.469	39.812
5/16	(7.94)	3	3.68	28.913 (3)	11.076	18.193	28.246	40.479
5/16	(7.94)	7	2.64	---	14.234	23.798	35.586	49.820
5/16	(7.94)	7	2.77	26.689 (1)	---	---	---	---
3/8	(9.52)	3	4.19	37.810 (3)	14.813	24.732	37.187	52.489
3/8	(9.52)	7	3.05	51.155 (4)	18.905	30.915	48.040	68.503
7/16	(11.11)	7	3.68	80.068 (4)	25.355	41.591	64.499	92.523
1/2	(12.70)	7	4.19	111.206 (4)	32.917	53.823	83.627	119.657
1/2	(12.70)	19	2.54	---	33.895	56.492	84.961	118.768
9/16	(14.29)	7	4.78	---	42.703	69.837	108.981	155.688
9/16	(14.29)	19	2.87	---	42.881	71.616	107.202	149.905
5/8	(15.88)	7	5.26	---	51.599	84.961	131.667	188.605
5/8	(15.88)	19	3.18	---	48.930	80.513	124.995	178.819
3/4	(19.05)	19	3.81	---	71.172	116.543	181.487	259.331
7/8	(22.22)	19	4.50	---	97.416	116.543	248.211	354.523
1	(25.40)	19	5.08	---	127.664	209.066	325.610	464.839
1	(25.40)	37	3.63	---	125.885	205.508	319.827	456.832
1-1/8	(28.58)	37	4.09	---	160.136	262.000	407.457	581.827
1-1/4	(31.75)	37	4.55	---	198.391	324.720	505.318	721.502

Nominal Diameters and Minimum Weights of Coating for Zinc-Coated Steel Wires ^A

Nominal Diameter of Coated Wire in the Strand, in. (mm)	Minimum Weight of Coating, oz/ft ² (g/m ²) of Uncoated Wire Surface			
	Type 1 ^B	Class A ^C	Class B ^D	Class C ^D
0.041 (1.04)	0.15 (46)	0.40 (122)	0.80 (244)	1.20 (366)
0.052 (1.32)	0.15 (46)	0.40 (122)	0.80 (244)	1.20 (366)
0.062 (1.57)	0.15 (46)	0.50 (153)	1.00 (305)	1.50 (458)
0.065 (1.65)	0.15 (46)	0.50 (153)	1.00 (305)	1.50 (458)
0.072 (1.83)	0.15 (46)	0.50 (153)	1.00 (305)	1.50 (458)
0.080 (2.03)	0.30 (92)	0.60 (183)	1.20 (366)	1.80 (549)
0.093 (2.36)	0.30 (92)	0.70 (214)	1.40 (427)	2.10 (641)
0.100 (2.54)	0.30 (92)	0.70 (214)	1.40 (427)	2.10 (641)
0.104 (2.64)	0.30 (92)	0.80 (244)	1.60 (488)	2.40 (732)
0.109 (2.77)	0.30 (92)	0.80 (244)	1.60 (488)	2.40 (732)
0.113 (2.87)	0.30 (92)	0.80 (244)	1.60 (488)	2.40 (732)
0.120 (3.05)	0.30 (92)	0.85 (259)	1.70 (519)	2.55 (778)
0.125 (3.18)	0.30 (92)	0.85 (259)	1.70 (519)	2.55 (778)
0.130 (3.30)	0.30 (92)	0.85 (259)	1.70 (519)	2.55 (778)
0.143 (3.63)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.145 (3.68)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.150 (3.81)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.161 (4.09)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.165 (4.19)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.177 (4.50)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.179 (4.55)	0.40 (122)	0.90 (275)	1.80 (549)	2.70 (824)
0.188 (4.78)	0.40 (122)	1.00 (305)	2.00 (610)	3.00 (915)
0.200 (5.08)	0.40 (122)	1.00 (305)	2.00 (610)	3.00 (915)
0.207 (5.26)	0.40 (122)	1.00 (305)	2.00 (610)	3.00 (915)

^A For intermediate sizes of wire in the strand, the weight designations are the same as for the next finer size shown in this table.

^B Type 1 (formerly "galvanized") coating applies to common grade of strand only.

^C Class A, "extra galvanized" and "double galvanized" are equivalent terms.

^D Class A, Class B, and Class C coatings apply to all grades of strand.

Permissible Variations in Diameter of Individual Zinc-Coated Wires ^A

Nominal Diameter of Coated Wires in the Strand (mm)	Permissible Variations, 6in. (mm)
1.04 to 1.52	0.002 (0.05)
1.55 to 2.29	0.003 (0.08)
2.31 to 3.05	0.004 (0.10)
3.07 and over	0.005 (0.13)

^A It is recognized that the surfaces of heavy zinc coatings, particularly those produced by hot galvanizing, are not perfectly smooth and devoid of irregularities. If the tolerances shown in Table 4 are rigidly applied to such irregularities that are inherent to the product, unjustified rejections of wire that would actually be satisfactory for use could occur. Therefore, it is intended that these tolerances be used in gaging the uniform areas of the galvanized wire.

Steel Wire Rope

Material: Stainless (AISI304, AISI316) or Carbon steel

Construction: 1x3, 1x7, 1x12, 1x19, 1x37
6x7, 6x19, 6x19+FE, 6x19+IWRC, 6x37...
etc.

Diameter: 0.20mm - 45.00mm

for Cranes: 6x19S, 6x29+IWR, 6x36SW+IWR, 8x36SW, 35WxK7

for Elevator: 8x19S+NF, 8x19W+NF, 8x19W+IWR

for Lifting: 6x37+FC, 6x37+IWS, 6x37+IWR

No-rotating rope for harbor tower crane:
17x7+FC, 17x7+IWR, 18x7+FC, 18x7+IWR,
18x19+FC, 18x19+IWR, 18x19S+FC,
18x19S+IWR, 18x19W+FC, 18*19W+IWR.

for Drilling: 35W x 7, 35W x K7

for Logging: 6x19+IWRC, 6x26+IWRC,
6x25+IWRC

Compacted Wire Rope:

6xK7+FC, 6xK19S+IWRC, 6xK26WS+IWRC,
6xK36WS+IWRC

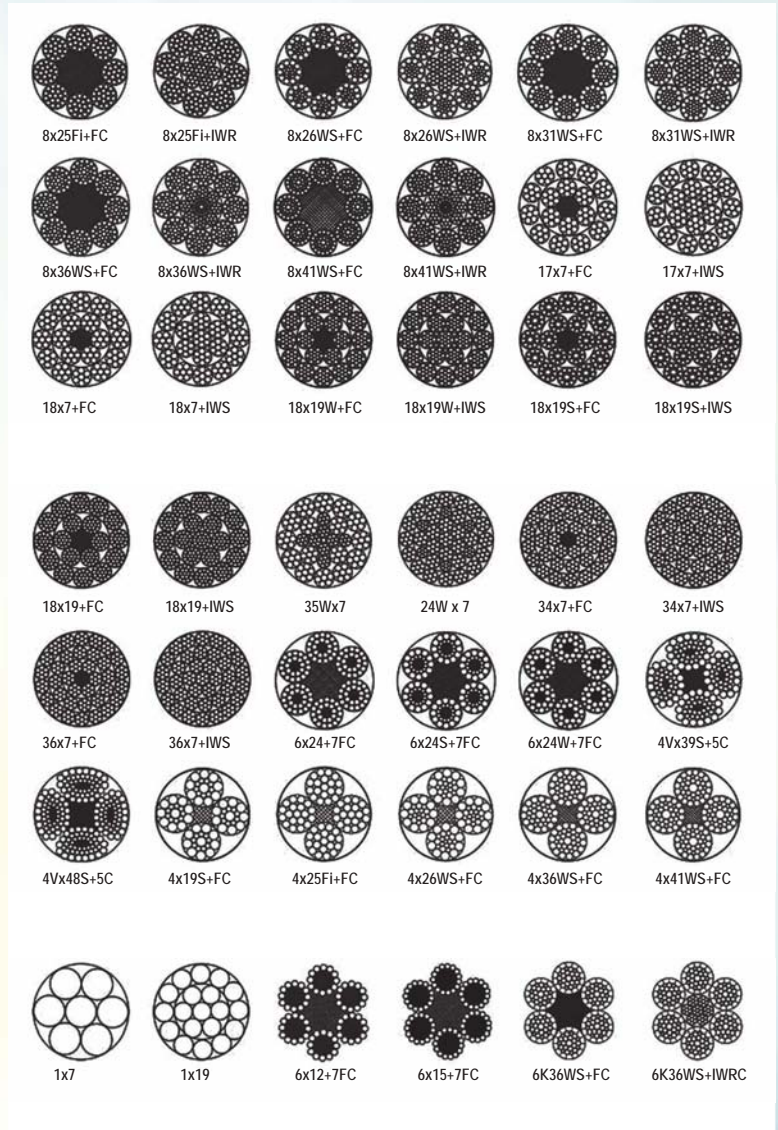
Plastic Coated Wire Rope: PVC/ PE/
Nylon/ Epoxy resin/ polycarbonate
coated

Surface: Bright or galvanized or PVC/
HDPE coated

Packing: on reels or small coil

Standard: DIN3055, DIN3052, DIN3053,
DIN3060, DIN3054, DIN3066 , ISO2408 etc.

All can be produced according to
customers' actual requirement.





Wire Rod



Pre-drawing Process



Heat treatment process



Galvanizing Process



Variety of Wire Take-up Process



Stranding Process



Re-winding



Labled start & end



Spool Packing



Big Coil Packing



Cargo Shipment

Manufacture



Black Steel Wire



Making Nails




Steel Nails



Wire Strand & Wire Rope

Inspection





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