

Nanjing Goolinked Metal Technology

Wire Rope 钢丝绳 Product Catalog

Wire Rope 钢丝绳

Product Overview

We supply a comprehensive range of steel wire ropes for lifting, hoisting, mining, marine, construction, and general industrial applications. All products comply with GB/T 20118, GB/T 8918, ISO 2408, and EN 12385 standards. Available in bright (ungalvanized), hot-dip galvanized, and stainless steel finishes.

Product Series

1. 6×7 Series — Simple Structure

High rigidity, excellent wear resistance, suitable for standing rigging, guy wires, and static applications.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
6×7+FC	Fiber Core	1.8–36	1570–1870	GB/T 20118
6×7+IWS	Steel Core	1.8–36	1570–1870	GB/T 20118
6×7+IWR	Steel Core	14–36	1570–1870	GB/T 20118
6×9W+FC	Fiber Core	14–36	1570–1870	GB/T 20118
6×9W+IWR	Steel Core	14–36	1570–1870	GB/T 20118

[6x7-Series](#)

2. 6×19 Series — Point & Line Contact

General-purpose construction, balanced flexibility and wear resistance. Widely used for cranes, hoists, and general lifting.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
6×19M+FC	Fiber Core	3–46	1570–1870	GB/T 20118
6×19M+IWR	Steel Core	3–46	1570–1870	GB/T 20118
6×19S+FC	Fiber Core	6–46	1570–1960	GB/T 8918
6×19S+IWR	Steel Core	6–46	1570–1960	GB/T 8918
6×19W+FC	Fiber Core	6–46	1570–1960	GB/T 8918
6×19W+IWR	Steel Core	6–46	1570–1960	GB/T 8918

[6x19-Series](#)

3. 6×36 Series — Warrington-Seale

Superior flexibility and fatigue resistance, ideal for multi-layer winding, crane main hoist, and heavy-duty lifting.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
6×36WS+FC	Fiber Core	8–60	1570–1960	GB/T 8918
6×36WS+IWR	Steel Core	8–60	1570–1960	GB/T 8918
6×29Fi+FC	Fiber Core	8–60	1570–1960	GB/T 8918
6×29Fi+IWR	Steel Core	8–60	1570–1960	GB/T 8918
6×41WS+IWR	Steel Core	22–70	1570–1960	GB/T 8918

6×41WS+IWR	Steel Core	32–70	1570–1960	GB/T 8918
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[6x36-Series](#)

4. 6×37 Wire Rope — Maximum Flexibility

The 6×37 construction offers maximum flexibility among standard 6-strand ropes. Fine wire structure makes it ideal for repeated bending over small sheaves and dynamic loading applications.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
6×37S+FC	Fiber Core	8–60	1570–1770	GB/T 20118
6×37S+IWR	Steel Core	8–60	1570–1770	GB/T 20118
6×37WS+FC	Fiber Core	12–60	1570–1960	GB/T 8918
6×37WS+IWR	Steel Core	12–60	1570–1960	GB/T 8918

[6x37-Wire-Rope](#)

5. 8-Strand Series — Improved Flexibility

Better flexibility and rotation resistance compared to 6-strand, suitable for tower cranes, marine winches, and precision lifting.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
8×19S+FC	Fiber Core	10–48	1570–1960	GB/T 8918
8×19S+IWR	Steel Core	10–48	1570–1960	GB/T 8918
8×36WS+FC	Fiber Core	12–56	1570–1960	GB/T 8918
8×36WS+IWR	Steel Core	12–56	1570–1960	GB/T 8918

[8-Strand-Series](#)

6. Anti-Rotation Series — Rotation Resistant

Multi-layer construction prevents rotation under load, essential for crane main hoist and mobile crane applications.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
17×7+FC	Fiber Core	6–44	1570–1870	GB/T 20118
18×7+IWR	Steel Core	8–52	1570–1960	GB/T 8918
18×19S+IWR	Steel Core	12–60	1570–1960	GB/T 8918
35W×7+IWR	Steel Core	12–64	1770–2160	GB/T 8918

[Anti-Rotation-Series](#)

7. Compacted Strand Series — High Breaking Force

High breaking force, excellent wear and crush resistance, ideal for multi-layer spooling and harsh conditions.

Construction	Core	Diameter Range (mm)	Tensile Grade (MPa)	Standard
6×K19S+IWR	Steel Core	10–48	1770–2160	EN 12385
6×K36WS+IWR	Steel Core	12–60	1770–2160	EN 12385
8×K36WS+IWR	Steel Core	12–56	1770–2160	EN 12385

[Compacted-Strand-Series](#)

8. Galvanized Wire Rope — Corrosion Resistant

Hot-dip galvanized wires provide superior corrosion resistance for outdoor and marine environments. Available in Class A/B/C zinc coating.

Construction	Core	Diameter Range (mm)	Zinc Class	Standard
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6×7+FC (Galv)	Fiber Core	2–36	Class A	GB/T 20118
6×19+FC/IWR (Galv)	FC/Steel Core	3–46	Class A/B	GB/T 20118
6×36WS+IWR (Galv)	Steel Core	8–60	Class A	GB/T 8918
7×19 (Galv)	WSC	3–20	Class A	ASTM A1023

[Galvanized-Wire-Rope](#)

9. Non-Rotating Wire Rope — Zero Spin

Specifically engineered to prevent rotation of the load under single-line lifting. Multi-layer counter-rotation design with opposing lay directions.

Construction	Core	Diameter Range (mm)	Rotation Class	Standard
18×7+IWR	Steel Core	8–52	Class 1 (Low)	GB/T 8918
35W×7+IWR	Steel Core	12–64	Class 2 (Very Low)	GB/T 8918
4×SEALE	Steel Core	16–48	Class 2 (Very Low)	EN 12385

[Non-Rotating-Wire-Rope](#)

10. Stainless Steel Wire Rope — Marine Grade

AISI 304 and 316 stainless steel for superior corrosion resistance in saltwater, chemical, and food processing environments.

Construction	Grade	Diameter Range (mm)	Application	Standard
1×19	304/316	1–6	Standing rigging	GB/T 9944
7×7	304/316	1.5–12	General purpose	GB/T 9944
7×19	304/316	3–24	Running rigging	GB/T 9944
6×19+IWRC	316	12–40	Heavy duty marine	GB/T 9944

[Stainless-Steel-Wire-Rope](#)

Technical Specifications

- **Surface Treatment:** Bright (ungalvanized), Hot-dip galvanized, Electro-galvanized, Stainless steel
- **Core Types:** FC (Fiber Core), IWS (Independent Wire Strand Core), IWR (Independent Wire Rope Core)
- **Tensile Strength:** 1570 / 1670 / 1770 / 1870 / 1960 / 2060 / 2160 MPa
- **Lay Direction:** Right Regular Lay (ZS), Right Lang Lay (ZZ), Left Regular Lay (SZ), Left Lang Lay (SS)
- **Packaging:** Wooden reel, coil, or as per customer requirement
- **Certificates:** ISO 9001, CE, BV, DNV, ABS, LR available upon request

Applications

- Crane & Hoist
- Mining & Quarrying
- Marine & Offshore
- Construction & Infrastructure
- Oil & Gas
- Fishing & Forestry
- Elevator
- Architectural & Decorative
- Food & Pharmaceutical Processing
- General Industrial Lifting

File Structure

Each product series has its own folder containing: - images/ — 4 product images (cross-section, product photo, application photo, detail photo), 1000×1000px with goolinked watermark - *-Specification.docx — Detailed product specification document with embedded images

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钢丝绳/
├─ catalog.md
├─ 6x7-Series/
│   └─ images/ {cross-section, product, application, detail}.jpg
│       └─ 6x7-Series-Specification.docx
├─ 6x19-Series/
├─ 6x36-Series/
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