

Wire Rope for Elevator



The Global Leader in the Production of Elevator Wire Ropes



Kiswire is the largest wire rope manufacturer in the world with over 70 years of comprehensive experience in rope making. Our continuous commitment to Research & Development, along with the technological advantages we have developed, have allowed us to produce what we consider the best quality elevator ropes.

The **Kiswire Elevator ropes** are manufactured utilizing the finest raw materials available featuring excellent mechanical characteristics. These qualities create the advantage of having a rope that exceeds the present requirements of the international elevator market.

Our commitment to R&D is reflected in the expert team dedicated to the **Kiswire Elevator ropes**. This commitment will allow us to retain and improve on our market position in the elevator rope market and will ensure we lead the market in innovation and improvement for years to come.

Kiswire will never rest.

Advantages of Kiswire Elevator Rope

- **Less rebounding or vibration**
- **High fatigue resistance**
- **Less slippage**
- **High constructional stability**
- **Low constructional elongation**

Contents

2 Introduction

4 Product Data

Special traction ropes for Small traction sheaves

8×19W - IWRC

Special traction ropes for High-rise : Hyele 10

10×19S - PWRC

10×26WS - PWRC

8 Strand suspension ropes with Steel core

8×19W - IWRC

8×25F - IWRC

8 Strand suspension ropes with Fiber core

8×S(19) - Fiber core

8×W(19) - Fiber core

8×Fi(25) - Fiber core

6 Strand suspension ropes with Fiber core

6×S(19) - Fiber core

6×W(19) - Fiber core

6×Fi(25) - Fiber core

6 Strand compensation ropes with Fiber core

6×37 - Fiber core

6×S(17) - Fiber core

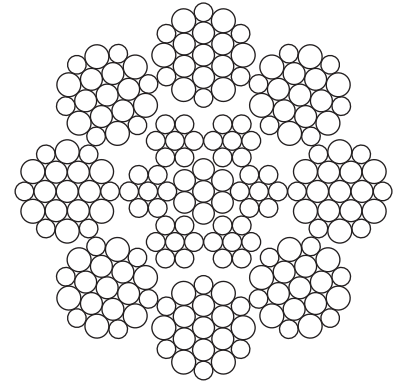
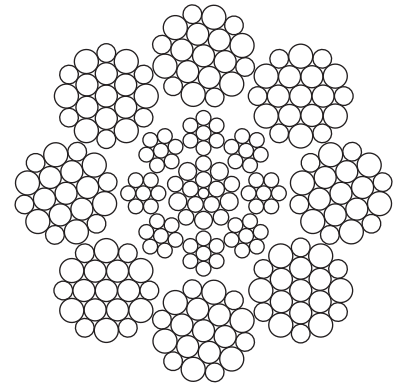
10 Technical Information

Special traction ropes for Small traction sheaves

8×19W - IWRC

Characteristics

- 8strand, Right hand regular lay (sZ)
- Flexible with good bending endurance
- Elastic elongation at 10% M.B.L ≤ 0.15%
- Permanent elongation ≤ 0.15%
- Low diameter reduction under loading
- High breaking load & Good constructional stability
- Galvanizing for corrosion resistance (optional)



Diameter	M.B.L [1770/1960]	Unit weight	Metallic area
mm	kN	Kg/m	mm ²
6.0	26.8	0.163	18.5
6.5	31.5	0.191	21.5

* The European Standard EN-12385-5 is available upon request

Special traction ropes for High-rise : Hyele 10

10×19S - PWRC (10 ~ 12mm)

10×26WS - PWRC (13 ~ 22mm)

Characteristics

10strand, Right hand regular lay (sZ)

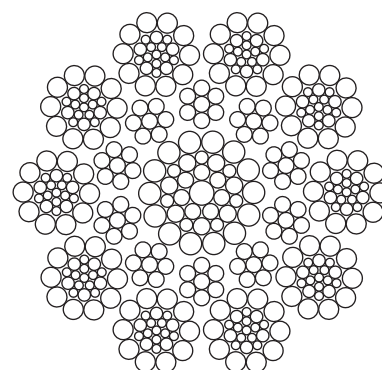
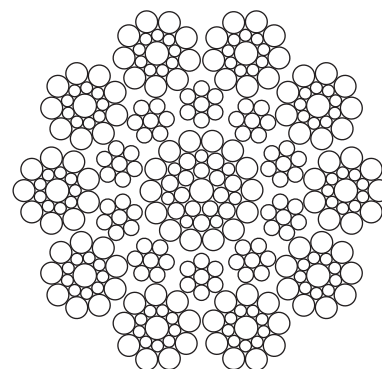
Well rounded rope cross section

Elastic elongation at 10% M.B.L ≤ 0.10%

Permanent elongation ≤ 0.13%

Low rope diameter change under load

High breaking load & Good structural stability



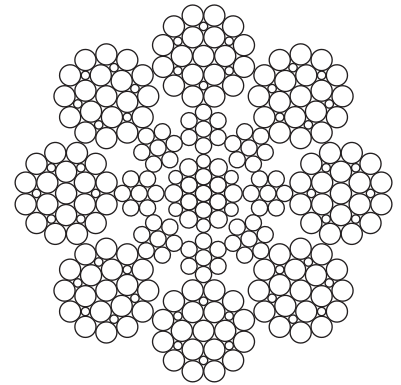
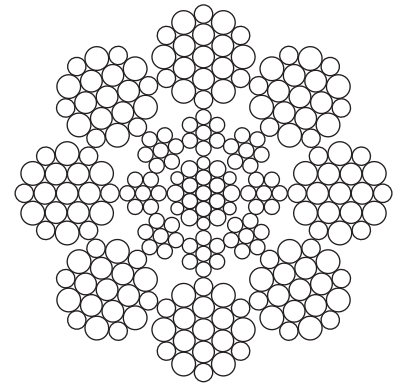
Diameter	M.B.L [1570/1770]	Unit weight	Metallic area
mm	kN	Kg/m	mm ²
10.0	70.3	0.450	52.2
11.0	85.0	0.544	63.2
12.0	101.2	0.647	75.2
13.0	118.8	0.786	88.8
14.0	137.7	0.911	103
15.0	158.1	1.046	118.2
16.0	179.9	1.190	134.5
18.0	227.7	1.506	170.2
20.0	281.1	1.859	210.2
22.0	340.1	2.250	254.3

* The European Standard EN-12385-5 is available upon request

8 Strand suspension ropes with Steel core

8×19W - IWRC (8 ~ 10mm)

8×25F - IWRC (11 ~ 16mm)



Characteristics

8strand, Right hand regular lay (sZ), Right hand lang's lay (zZ) upon request.

Preformed, Prestretched, Bright.

Flexible with good bending endurance

Elastic elongation at 10% M.B.L ≤ 0.15%

Permanent elongation ≤ 0.15%

Low rope diameter change under load

High breaking load & Good structural stability

Diameter	M.B.L [1570/1770]	Unit weight	Metallic area
mm	kN	Kg/m	mm ²
8.0	43.3	0.275	31.7
9.0	54.8	0.348	40.2
10.0	67.7	0.429	49.6
11.0	81.9	0.534	60.7
12.0	97.4	0.635	72.2
13.0	114	0.745	84.8
14.0	133	0.864	98.3
16.0	173	1.129	128.4

* The European Standard EN-12385-5 is available upon request

8 Strand suspension ropes with Fiber core

8×S(19) - Fiber core

8×W(19) - Fiber core

8×Fi(25) - Fiber core

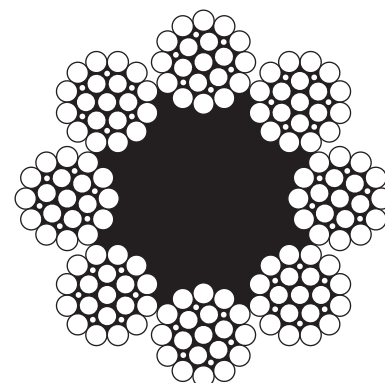
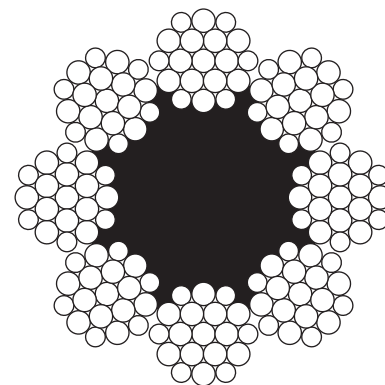
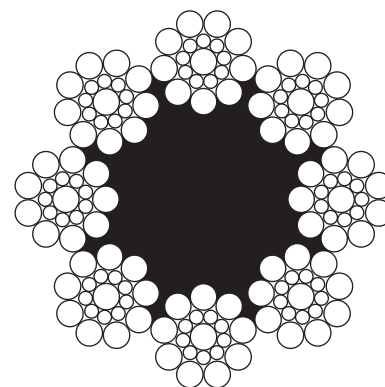
Characteristics

8strand, Right hand regular lay (sZ), Right hand lang's lay (zZ) upon request.

Preformed, Prestretched, Bright.

Elastic elongation at 10% M.B.L ≤ 0.20%

Permanent elongation ≤ 0.40%



Diameter	M.B.L Grade E	M.B.L Grade A	Unit weight	Metallic area
mm	kN	kN	Kg/m	mm ²
8.0	26.0	30.8	0.220	23.7
10.0	40.6	48.1	0.343	36.5
11.2	51.0	60.3	0.430	44.5
12.0	58.5	69.2	0.494	52.6
12.7	65.5	77.9	0.553	60.2
14.0	79.6	94.3	0.672	71.5
16.0	104	123	0.878	94.1
18.0	132	156	1.11	119

* The European Standard EN-12385-5 is available upon request

6 Strand suspension ropes with Fiber core

6×S(19) - Fiber core

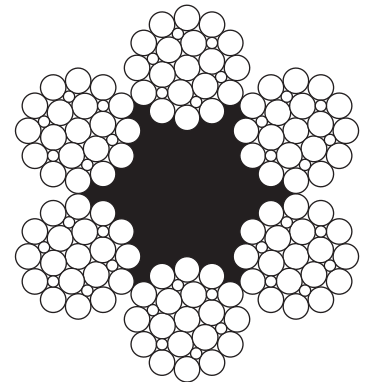
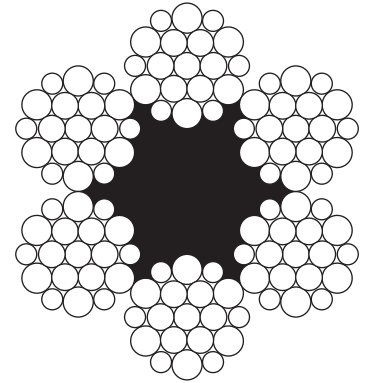
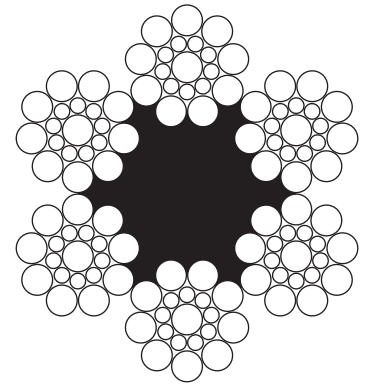
6×W(19) - Fiber core

6×Fi(25) - Fiber core

Characteristics

6strand, Right hand regular lay (sZ)

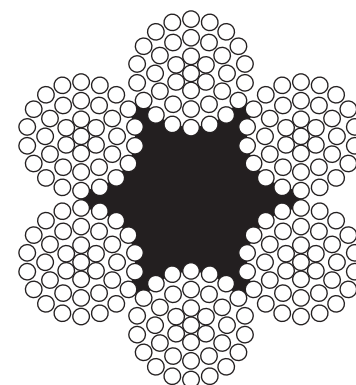
Preformed, Prestretched, Bright or Galvanized



Diameter	M.B.L Grade E	M.B.L Grade A	M.B.L Grade B	Unit weight	Metallic area
mm	kN	kN	kN	Kg/m	mm ²
6.0	16.1	19.6	20.9	0.139	15.0
6.3	17.7	21.6	23.0	0.153	16.4
8.0	28.6	34.9	37.2	0.247	26.4
9.0	36.2	44.1	47.0	0.312	33.0
10.0	44.7	54.5	58.1	0.386	40.8
11.2	56.1	58.3	72.8	0.484	48.0
12.0	64.4	78.5	83.7	0.556	57.5
12.5	69.9	85.1	90.7	0.603	63.6
14.0	87.7	107	114	0.756	79.8
16.0	115	139	149	0.988	104

* The European Standard EN-12385-5 is available upon request

6 Strand compensation ropes with Fiber core



6×37 - Fiber core

Characteristics

6strand, Right hand regular lay (sZ)
Preformed, Bright or Galvanized

Diameter	M.B.L Grade G	M.B.L Grade A	Unit weight	Metallic area
mm	kN	kN	Kg/m	mm ²
14.0	96.7	104	0.704	72.4
16.0	126	136	0.920	98.9
18.0	160	172	1.16	125
20.0	197	212	1.44	154

* The European Standard EN-12385-5 is available upon request

6×S(17) - Fiber core

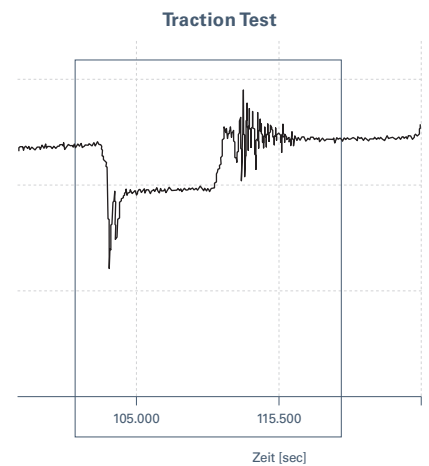
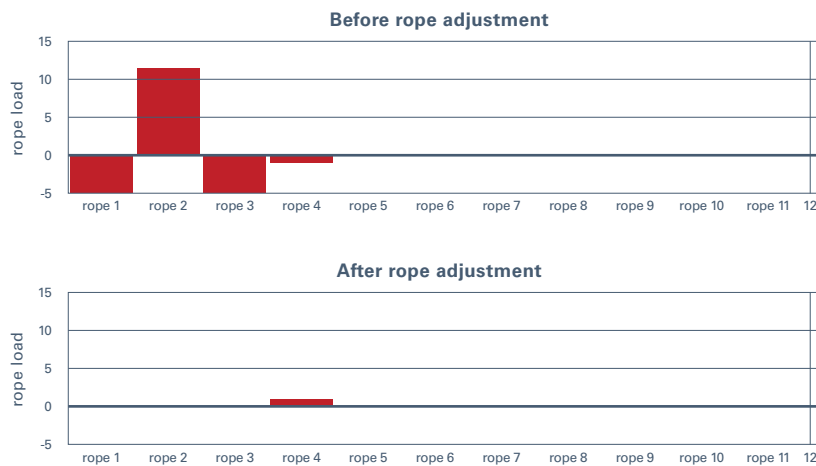
Diameter	M.B.L Grade 1960	Unit weight	Metallic area
mm	kN	Kg/m	mm ²
6.3	27.2	0.139	15.0

* The European Standard EN-12385-5 is available upon request

Technical Information

Rope tension measurement devices

Maintaining equal tension in both suspension and compensating ropes is critical in order for system to achieve maximum performance and to extend rope life expectancy



Testing Device

Maintenance Rope Grease

Rope grease is applied to the wire ropes during manufacturing. The amount of this grease, however, decreases during use, heavily impacting the lifespan of the rope. To minimize damage you should always follow manufacturer's recommendations.

Rope Handling

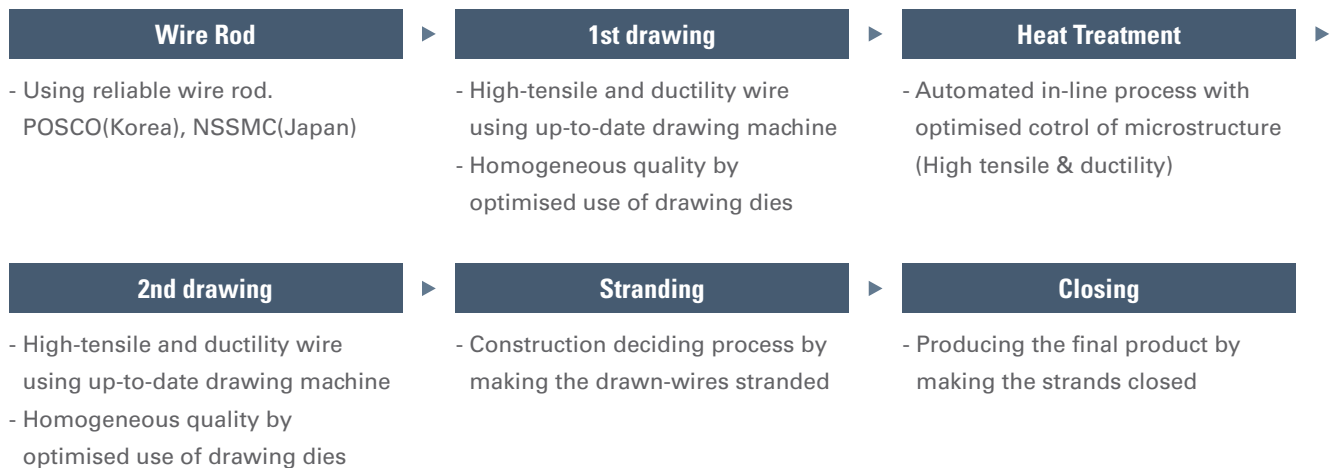
(1) Storage

Keep the rope indoors, If it is unavoidable and you keep it outdoors, please place on plastic or wooden pallet to elevate it about 30cm from ground and cover it by waterproof sheet etc. Never leave rope accessible to moisture, or leave it where sunlight and heat may allow lubricant to flow out of the rope.

(2) Release method of the rope

- Please pull out the rope while rotating the load.
- Please select the place where adhesions such as moisture, dust are not kept into contact when the rope is stretched on to the ground.
- There becomes troubles as the kink or bending occurs if pulls out.

Manufacturing Process



Kiswire Quality Certification

KISWIRE is committed to supplying the highest possible quality across its full product range.

This is achieved by strict adherence to ISO 9001 to which the whole of KISWIRE's operations are accredited.

KISWIRE maintains its QA programs throughout its operations to ensure that products are manufactured under a documented and controlled system for consistency in workmanship standard.

ISO 9001: Quality Management System

ISO 14001: Environmental Management System

DNV GL Approval of a Manufacturer Certificate

TÜV SÜD Certificate Concerning the examination of Conformity

BV Recognition For BV Mode II Scheme

RINA Certificate of Approval of Manufactures of Materials

CCS Certificate of Works Approval

KR Approval Certificate For Manufacturing Process

KS D 3514 Certificate of Works Approval

JIS G 3525, G 3546 Certificate of Works Approval

LR Approval of a Manufacturer Certificate



KOREA

HEADQUARTERS

37, Gurak-ro 141beon-gil, Suyeong-gu,
Busan, 48212, Korea
Tel. 82-51-760-1700
Fax. 82-51-760-1980

SEOUL OFFICE

20F, Janggyo Bldg., 363, Samil-daero,
Jung-gu, Seoul, 04541, Korea
Tel. 82-2-316-6114
Fax. 82-2-316-6280

GUNBUK FACTORY

25, Hamansandan 4-gil,
Gunbuk-myeon, Haman-gun,
Gyeongsangnam-do, 52061, Korea
Tel. 82-55-583-0475
Fax. 82-55-585-0475

OVERSEAS

KISWIRE SOUTH-EAST ASIA REGIONAL HQ

No. 33, Jalan Senyum, Kampung Wadihana,
80300, Johor Bahru, Johor, Malaysia
Tel. 60-7-340-4000
Fax. 60-7-332-8950

KISWIRE CHINA REGIONAL HQ

Room 04-05, 33A, Bldg A, TOP Yihe
International, 10H.K. Mid Rd., Qingdao,
Shandong, 266071, China
Tel. 86-0532-6688-8722
Fax. 86-0532-6688-8731

KISWIRE (SHANGHAI) TRADING CO., LTD. SHANGHAI BRANCH

Rm 1003, Block A, Oriental Financial Plaza,
Property Management Center, No. 1168 Century
Avenue, Pudong, Shanghai, 200122, China
Tel. 86-21-5208-0929
Fax. 86-21-5208-2878

KISWIRE LOTUS CO., LTD.

140 One Pacific Place Bldg. 18/F Unit 1805
Sukhumvit Road, Klongtoey, Bangkok,
10110, Thailand
Tel. 66-2-653-2820~1
Fax. 66-2-653-2822

KISWIRE SINGAPORE LTD.

35 Marsiling Industrial Estate Road 3,
Unit 05-05, Singapore 739257
Tel. 65-6227-0939

KISWIRE JAPAN CO. (TOKYO)

Kiswire Bldg., 4-5F, 4-5 Ohndenma-Cho,
Nihonbashi Chuo-Ku, Tokyo, 103-0011, Japan
Tel. 81-3-3808-2839
Fax. 81-3-3808-2835

KISWIRE JAPAN CO. (OSAKA)

Kiswire Bldg 4F, 3-8-24, Nanbanaka,
Naniwa-Ku, Osaka, 556-0011, Japan
Tel. 81-6-6636-6607
Fax. 81-6-6636-7751

KISWIRE CHENNAI OFFICE

C/O DBS House, 31 A Cathedral Garden Road,
Nungambakkam Chennai, 600034, India
Tel. 91-44-40509200 Ext311

KISWIRE AMERICA

3890 Steve Reynolds Blvd.
Norcross, GA 30093, USA
Tel. 1-470-447-2500

KISWIRE INTERNATIONAL S. A.

12, rue Graham Bell, L-3235 Bettembourg
Grand-Duchy of Luxembourg
Tel. 352-28-10-24
Fax. 352-52-08-49

SERVICE CENTER

TECHNICAL SERVICE CENTER, KISWIRE CHINA REGIONAL HQ

No.45 Zhongyang Road, Economic & Technological
Development Zone, Nantong, Jiangsu, 226009, China
Tel. 86-513-8598-9013
Fax. 85-0513-8598-0119

KISWIRE INDONESIA, PT

Jl. Panglima Polim Raya No. 86 Lt.2 Gedung Harvia
Place, Jakarta Selatan 12150, Indonesia
Tel. 62-21-2942-6248~9
Fax. 62-21-2942-6276

HYROPE HONG KONG LTD.

DD129 Lots 3178 Ping Ha Road, Lau Fau Shan,
Yuen Long, New Territories(NT), Hong Kong
Tel. 852-2615-0629
Fax. 852-3126-9160

HYROPE (THAILAND) CO., LTD.

700/766 Moo 1, Amata Nakorn Industrial Estate
Phase 8, Phanthong Sub-District, Phanthong District,
Chonburi, 20160, Thailand
Tel. 66-38-079-216~7
Fax. 66-38-079-218