

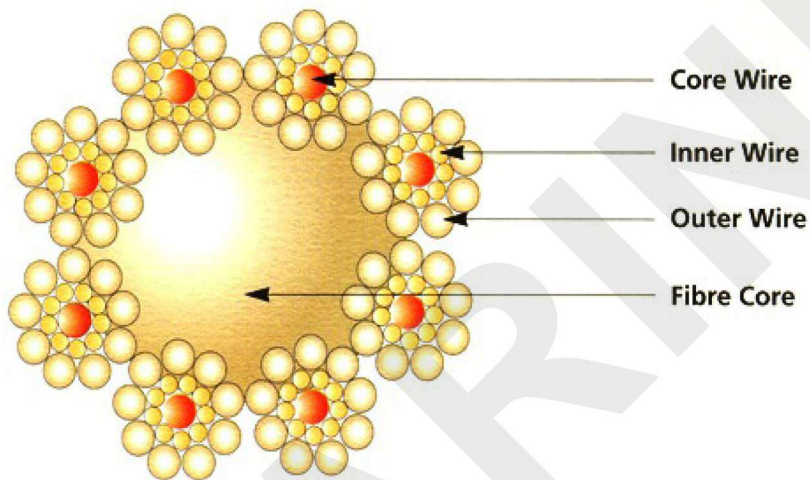


ELEVATOR ROPE



2. Construction of Wire Rope for Elevator

- Wire** : Use only superior material and quality consistency by rigid inspection after drawing wire.
- Strand** : Less fatigue by bending anti-abrasion and high breaking strength with seale type design.
- Core** : Top grade of Natural fibre with excellent constant diameter and prominent capability in storage of grease.



● Construction of Wire Rope

- 8 x S19
- 8 x W19
- 8 x Fi25

3. Products Properties

- ❶ Use of highly refined grease to improve anti-corrosion and anti-abrasion.
- ❷ Through the pretension process by up-to-date facilities.
 - Removing the structural elongation which is likely to happen in the process of manufacturing and increasing modulus of elasticity.
 - By eliminating the gaps between strands, each strand has equal tension and rope dia becomes uniform
 - Easy to handle and sep up by getting rid of character of rotation.
 - Due to all above factors, prolong the life of rope.
- ❸ Guarantee the high quality by forwarding the rope only passing strict endurance test.

4. Notice

- ① Choose proper dia and grade of rope suitable for the sheave.
- ② Avoid excessive or cross winding on Spool.
- ③ Do not use defective sheave and drum.
- ④ Keep away from moisture and chemical contamination.
- ⑤ Handle carefully not to happen kink.
- ⑥ Do not use over loading.
- ⑦ Clean the rope and apply some grease for the storage after use.

5. Dimensions & Properties

Diameter (mm)	Outer Wire Dia (mm)	Dia Tolerance (mm)		Min. Breaking Load (kg)				Max. Length (m)	WT (kg/1,000m)	Remarks
		JIS	Manho	E Grade		A Grade				
				JIS	Manho	JIS	Manho			
8.00	0.54	8.00 - 8.80	8.00 - 8.40	2,660	2,670	-	3,150	4,000	220	<ul style="list-style-type: none"> • B/L X 20%Load = Rope Elongation: 0.7~1.2% • Grease Ratio Containing In Fibre Core: 10~17% • Modulus of Elasticity: 5,000~7,000kg/mm²
9.00	0.61	9.00 - 9.90	9.00 - 9.45	-	3,380	-	3,980	3,000	278	
3/8(inch)	0.65	9.53 - 10.48	9.53 -10.00	-	3,790	-	4,500	3,000	312	
10.00	0.67	10.00 - 10.70	10.00 - 10.50	4,160	4,170	-	4,910	2,000	343	
12.00	0.80	12.00 - 12.84	12.00 - 12.60	5,990	6,000	7,060	7,070	2,000	494	
1/2(inch)	0.86	12.70 - 13.59	12.70 - 13.33	-	6,720	-	7,910	1,000	553	
13.00	0.87	13.00 - 13.91	13.00 - 13.65	-	7,040	-	8,920	1,000	579	
14.00	0.94	14.00 - 14.98	14.00 - 14.70	8,150	8,160	9,600	9,610	1,000	672	
16.00	1.08	16.00 - 17.12	16.00 - 16.80	10,600	10,610	12,500	12,510	1,000	878	

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