

Products



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□ Selection Criteria of Rope by Traits



Trait	Selection Method of Rope	Typical Usage
Flexibility (Bending Trait)	<ul style="list-style-type: none"> The rope with fiber core as the center is flexible. The one having fiber core at the center of strand has better flexibility Cross Laid Rope is more flexible than parallel Laid Rope The one having more wire is flexible 	Sling Lashing
	<ul style="list-style-type: none"> The one having more wire within strand is more flexible The one having more strands is flexible But except for multilayer strand ropes The early cutoff can occur if the number of wire gets larger than required. The rotational property gets higher if there are many strands. But except for multilayer strand ropes 	
Breaking Load (Safety Ratio)	<ul style="list-style-type: none"> The breaking load of parallel Laid Rope is higher than the Cross Laid Rope. The breaking load is higher as the tensile strength is higher IWRC has higher breaking load than fiber core. The Compact rope has higher breaking load than regular ropes of the same structure 	
Elongation	<ul style="list-style-type: none"> Elongation is lower as the number of wire are fewer The elongation of parallel Laid Rope is higher than Cross Laid Rope. The elongation is lower in the order of Fiber Core > IWRC > . 	Various PENDENT BRIDGE HANGER Cable and Elevator
Wear Resistance	<ul style="list-style-type: none"> The wear resistance is better as the number of wire is fewer. The flat type, swaging and compact ropes have good wear resistance. The parallel Laid Rope has better wear resistance than Cross Laid Rope.. 	Cable, Timbering, Rope Rails, Mine Field Incline Shaft Hoist
Form Stability	<ul style="list-style-type: none"> The parallel Laid Rope has better form stability than Cross Laid Rope.. The rope with IWRC has better form stability than fiber core. The one with fewer wire and strands is more stable. Compact and flat type ropes have better form stability 	

<p>Rotational Property</p>	<ul style="list-style-type: none"> ▪ Must use rope with no rotational property The rotation gets higher as the coiling head gets longer ▪ The rotation can be prevented by using Z-Laid and S-Laid side by side. ▪ Ordinary Lay has lower rotational property than Lang ' s lay. ▪ The rotational property gets higher as the curve radius of sheave is lower. ▪ Rotational property gets lower as the number of strands gets fewer. ▪ But except for multi strand ropes 	<p>High Head Crane Power Line Withdrawal</p>
<p>Corrosion Resistance</p>	<ul style="list-style-type: none"> ▪ The galvanized rope must be used in environments where corrosion is concerned. ▪ The one with few wire (think wires) have strong wear resistance ▪ Rope grease has good anti corrosion ability to improve corrosion resistance ▪ Fiber core has better corrosion resistance than steel core. ▪ Corrosion resistance must be considered for long period of usage even if the environment is satisfactory. 	<p>Fishery Various PENDENT HANGER ANCHOR</p>
<p>Temperature Resistance</p>	<ul style="list-style-type: none"> ▪ The steel core rope must be used because fiber core is weak to high temperature. ▪ The black grease is used for rope grease in case of high temperature environment and high temperature grease must be applied if necessary ▪ The red grease is appropriate in case of low temperature environment. 	<p>Ladle Crane (Charter Crane)</p>