

PDF E HB-04-02-01	Lubrication – Types of Lubrication Definition Type Amount of Lubricant			c:\ Handbook 02-Bestandteile/04-04/ .06-01-01doc, Jul.00
Designation	Type of Lubrication and Amount of Lubricant		Colour approx Mass%	Remarks
1. Lube-Free- Ultrasonic (Stainless Steel- Ropes)	Core	No lubricant		No lubricant Ultrasonic cleaned Fibre Core Man- made fibre, max. extract.Content 3%
	Stranding			
	Closing			
2. No Lube- Dry	Core -Steel -Fibre	Light lubricant free Emulsion Dripping method Man Made Fibre, max 3% extr		No lubricant in Strand & rope But not free from
	Stranding	No Lubricant. Laying Help: Lube-free Emulsion		Drawing material and laying Lube.
	Closing	No Lubricant Laying Lub.: Lub. Free Emulsion		
3. Rope dry 3.1 Rope dry	Core -Steel -Fibre	Oil dripping, no lubricant Man-made Fibre, max 7% extra	Transparent, dry	Corrosion protection Oil to avoid Corrosion during transporta- & Storage in dry rooms
	Stranding	No lubricant Oil dripping		
	Closing	No lubricant Oil dripping		
3.2 Rope dry A0		As 3.1 only Core is lubricated, light, dripping method Heavy wiping		
4. Rope surface (outside) not lubricated Only at compound Spiral-,Multilayer Ropes possible	Core -Steel Fibre	light, Dripping method wiped Manmade Core, max7% extrac.	Yellowish-brown green (Petro-Chem Lube)	light Oil film
	Stranding Inner layers: Outer Layers	light, Dripping method dry, Laying Help, Verseilhilfe		
	Closing	No Lubricant		
5. light lubrication A1	Core -Steel Fibre	Dripping Method Strands & Core, no wiping max. extrac.Cont. 12%	Yellowish-brown green (Petro-Chem Lube) Lubricant- Content 0,8 - 1,2 %	Lightly Tacky
	Stranding	Dripping method Heavily wiped		
	Closing	No Lubricant,		
6. normal lubrication	Core -Steel Fibre	Dripping method. Strand & Core no (loose) wiping	Yellowish-brown green (Petro-Chem Lube) Lubricant- Content 1,0-2,0%	Lightly Tacky
	Stranding	Dripping method		
	Closing	No lubricant, loose wiping		
6.2 A2	Core -Steel Fibre	Dripping method. Strand & Core no (loose) wiping	Yellowish-brown green (Petro-Chem Lube) Lube-Content 1,0-2,0%	Lightly Tacky Visible Lubricant Film
	Stranding	Dripping method & Through Bath		
	Closing	No Lubricant, Loose wiping		
6.3 A3	Core -Steel Fibre	Dripping method. Strand & Core no (loose) wiping	Black (Asphaltum Grease) Lube-Content 1,5-3,0%	Lubricant medium hard consistency. Light tacky adhesive
	Stranding	Dripping method & Through Bath		
	Closing	No Lubricant, Loose wiping		

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7. Heavy(Double) Lubrication	Core -Steel Fibre	Dripping method. Strand & Core, no (or loose) wiping	Lube-Content 1,8-3,5%	Heavy Lubricant cover, Strand gaps are nearly filled
	Stranding	Dripping method & Through Bath No wiping		
	Closing	Lubricant, applied Through Bath. Loose wiping		
8. Relubricating	Rope			
9. Field Lubrication. Relubricating	Rope			