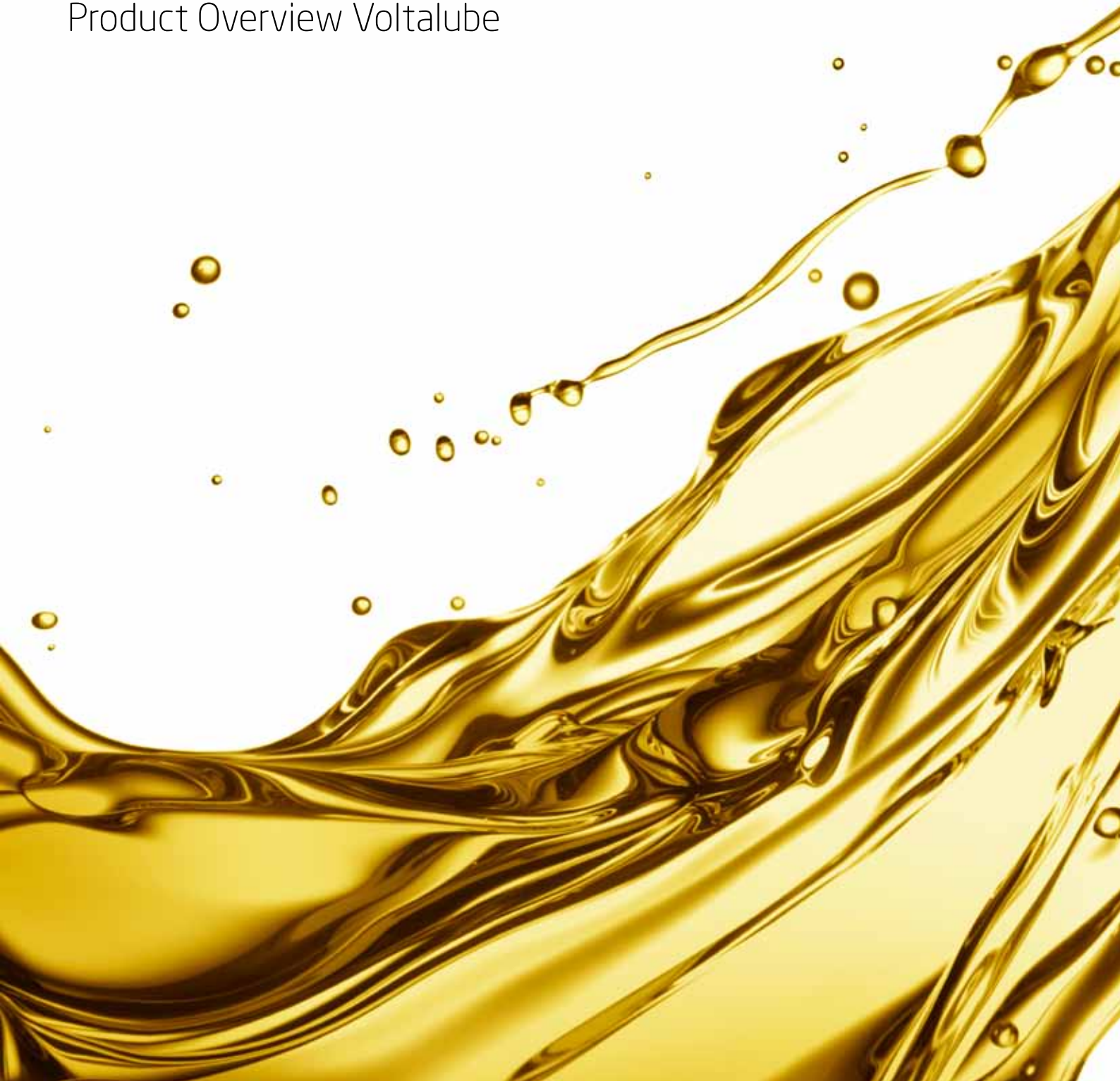




Energy Solutions Lubricants

Product Overview Voltalube



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Voltalube Product Overview



Name	Type	Evaporation rate (Ether=1)	Minimum storage temperature	Slipping coefficient (μH) ca.	Stickiness
Voltalube A 0.15 %	premium blend wax	3.3	10 °C	0.1	++
Voltalube A 0.30 %	premium blend wax	3.3	10 °C	0.1	++
Voltalube A 0.30 % 100/140	premium blend wax	9	10 °C	0.1	++
Voltalube B 1.0 %	paraffin wax	20	10 °C	0.11	++
Voltalube B 2.0 %	paraffin wax	20	10 °C	0.11	++
Voltalube C 1.5 %	premium blend wax	20	10 °C	0.1	++
Voltalube D3000	premium blend wax	20	15 °C	0.1	++
Voltalube D4000	premium blend wax	50	15 °C	0.1	++
Voltalube E (0.15 - 10 %)	ester wax	400	15 °C	0.09	+++
Voltalube F 0.5 %	premium blend wax	20	15 °C	0.1	++

Voltalube Lubricants are recommended for copper and aluminium wires of 0,01 to 1,00 mm. In our product range you find fast drying and medium evaporating lubricants. If there is enough time to dry (the distance between application of lubricant and winding is long enough) there are advantages for the medium drying products; less evaporation into environment, less concentration of flammable gas.

Dosage and concentration: Apply with felt rollers, felt, sponge, spraying or capillarity system. The application felt stays wet due to the optimized evaporation of the lubricant. The dosage brings appr. 5 mg/m² lubricant onto the wire. If slidability is too poor and cannot be adjusted with the dosage system, higher wax concentration are needed. For good slidability and windability the friction value of the wire has to be lower than 0.13. Without lubricant values are between 0.15 and 0.35.

If stored above the mentioned minimum storage temperature, lubricant may become cloudy and unsuitable for its intent purpose. If this happens, store at recommended storage temperature until product becomes clear again. Do not use cloudy lubricants.

Further information can be taken from the material safety data sheet.
All information, expressed or implied, is provided without warranty.

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