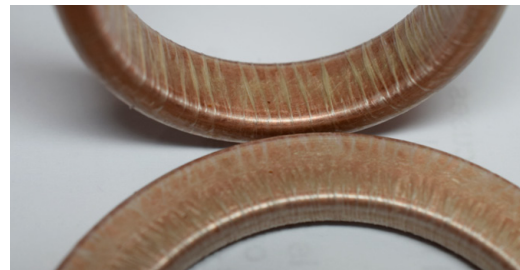


The thinnest high-voltage wire insulation ever

More and more efficiency is required today, especially for high-voltage motors and wind generators. This can only be achieved by increasing the copper filling factor. And that in turn requires very thin and reliable insulation. For demanding high-voltage applications, Von Roll has developed new types of very thin insulated wires for which the insulation increase is down to 0.12 mm. Thanks to a very thin mica insulation which can be combined with an extra-fine glass fiber covering, excellent high-voltage and partial discharge resistance properties can be achieved together with an improved mechanical protection.



- Very thin insulation with outstanding corona resistance
- Very consistent and regular surface
- Improved mechanical strength for highly demanding, high-voltage coil designs

Wire type	Thickness increase due to insulation	Breakdown voltage Flatwise bent / $d = 50$ mm
Standard type	Max. 0.12 mm	Min. 2000 V
Special type with improved mechanical strength	Max. 0.18 mm	Min. 2500 V

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