



# COPPER ELECTRICAL WIRE SELECTION GUIDE



CONDAT has developed an extensive range of lubricants to fit all the processes of companies manufacturing electric wire. Our strong technical expertise enables us to offer high performance lubricants in compliance with the latest environmental legislation.

Water-based lubricants are the most commonly used fluids for copper & copper alloys cold drawing applications. They are defined

as those where water is the main phase. Basically, water-based fluids combine the cooling properties of water with lubricating properties of oil and/or various technical additives. Various families are used and these can be classified according to their appearance in aqueous media as follows: soap-fat compounds, water-soluble oils, semi-synthetic and synthetic solutions.

<b>BARE COPPER WIRES</b>	<b>Emulsions</b>	<b>Semi Synthetic</b>	VICAFIL TCU 215 N	Rod break and redrawing including multiwires machine. Good detergency
			VICAFIL TCU 515	Rod break and redrawing including multiwires machine. Clean finish. Good detergency
			VICAFIL TCU 415 N	Versatile multipurpose product for bare or coated copper wire. Clean finish. Excellent detergency
<b>COATED COPPER WIRES</b>	<b>Emulsions</b>	<b>Semi Synthetic</b>	VICAFIL SL 2868	Nickel coated fine wires drawing. High performance
<b>ANNEALING</b>	<b>Solutions</b>	<b>Synthetic</b>	VICAFIL TCU 531	Clear solution for annealing / quenching with added rust protection

Please refer to our complementary additives range to help you manage your lubricant lifetime and performance.

