CO70
Contact Oil

CO70 contact oil has been developed to offer exceptional performance at low temperatures (down to -55°C). It is ideal for use on contacts with low contact pressures and in applications where it will not migrate, for example brushes, bearings, jack plugs, push button switches, relays etc. It is also suitable for lubricating slipring and slipdisc contacts.

- Exceptional performance at low temperatures; can be used down to -55°C
- Good plastics compatibility; suitable with some sensitive plastics, testing is always advised
- Produces low and constant mV drop and contact resistance; ensures reliability of the contact
- Grease version available, CG70; for use on surfaces where an oil may migrate

Approvals **RoHS Compliant (2015/863/EU):** **Yes**

Typical Properties

Appearance	Colourless liquid
Base	Blend of synthetic fluids
Density @ 20°C (ASTM D1298 (g/ml))	0.85
Kinematic Viscosity @ 20°C (mm^2/s)	44
Kinematic Viscosity @ 40°C (mm^2/s)	22
Operating Temperature Range (°C)	-55 to +130
Copper Corrosion; 4hours @ 150°C (DIN 51759/IP112)	Class 1a
Silver Corrosion 3 hours @ 100°C (DIN 51759)	No colour change
Pour point (°C)	-70
Flash Point (°C)	>220

Mechanical Properties

4 Ball Wear (mm)	2.895
Weld Load (kgf)	126

Description	Packaging	Order Code	Shelf Life
CO70 Contact Oil	500ml Bulk	ECO70500ML	72 Months

Ashby Park, Coalfield Way,
Ashby de la Zouch,
Leicestershire LE65 1JR
T +44 (0)1530 419 600
F +44 (0)1530 416 640
BS EN ISO 9001:2008
Certificate No. FM 32082

Directions for Use

Before final treatment with Electrolube lubricants, contact surfaces should be clean and dry. For general removal of dirt, Electrolube Ultrasolve is recommended. Hardened dirt and tarnish, especially on larger contacts, should be removed by rubbing with an abrasive material, which can be impregnated with the lubricant to be used.

After cleaning non-wiping contacts, loosened tarnish should be removed before a final application of lubricant is made. Electrolube Contact Cleaning Strips (CCS) are recommended for this purpose. With wiping contacts, loosened tarnish will be pushed aside. This can be removed if desired, but is usually not necessary, due to the excellent lubricating and protective properties of the contact lubricant.

CO70 can be applied by one of the following methods (although this list is not exhaustive):

Manually by way of a syringe/dropper bottle
Semi-automated using syringe dispensing
Fully automated by way of a dispensing system

Typical Product Applications

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