

OCG[™] 4500

Protective grease for overhead line conductors

Description

OCG 4500 is a high performance grease specifically developed for the protection of aluminium, aluminium alloy and steel reinforced overhead conductors, earthwires and their associated fittings. The unique combination of additives and base fluids delivers outstanding corrosion protection combined with long term thermal stability resulting in excellent protection throughout the service life of the conductor.

OCG 4500 utilises a non-melting thickener system that results in a grease with a drop point over 300°C and extremely low oil separation at operating temperatures up to 125°C. This minimises oil migration from the core to the outer surface of the conductor helping to reduce corona effects.

OCG 4500 meets the performance requirements of several international standards – see below for details.

Features and benefits

- Excellent thermal stability maximises product integrity over the operational life of the conductor
- Extremely low oil separation
- Maintains flexibility down to -40°C, prevents cracking and flaking of the grease film at low ambient temperatures
- Provides good corrosion protection to steel, galvanised steel, aluminium and aluminium alloy conductor components
- Reduces abrasive wear and fretting on the conductor that can result due to thermal expansion/contraction and varying weather conditions

Approvals and standards

OCG 4500 meets the requirements of:

- BS EN 50326:2002 with the designation 40A125
- IEC 61394:2011 with the designation 40A125
- RTE specification NT-ING-CNER-DL-ML-16-000500
- RTE specification NT-DI-CNER -DL-ML-16-00521

Global specialists in high-performance lubricants

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Company registration number: 2263118; Company registered in England VAT registration number GB108244927

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Recommended instructions for use

OCG 4500 is designed for application at ambient temperatures and does not require heating prior to use.

Note: Greases of different types may not be compatible with OCG 4500 - application equipment should be thoroughly cleaned to remove residues of previous lubricants to avoid incompatibility issues.

According to BS EN 50326:2002 OCG 4500 is suitable for use over an operating temperature range of -40°C to +125°C.

Pack sizes

Code	Pack
F302523	720 kg IBC
F302530	180kg drum w. liner
F302531	180kg drum no liner

Storage

OCG 4500 should be stored in original, unopened packaging, out of direct sunlight at temperatures between 5°C and 35°C. The most up to date shelf life information for Metalube products can be found on the certificate of analysis issued at the time of manufacture.

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Technical data

Property	Test method	Result
Appearance	MSTM 1	Brown tenacious grease
Density @ 20°C	-	0.93
Base oil type	-	Mineral oil
Worked penetration	IP50	280 mm/10
Drop point	IP132	>300°C
Oil separation 1 hour at 125°C	IP121 (modified)	0.02%
Oil separation 4 hours at 125°C	IP121 (modified)	0.08%
Oil separation 90 days at 125°C	IP121 (modified)	0.34%

Note: these values are typical only and do not constitute a specification

Limited warranty information

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. We accept no liability for any loss and/or damage arising from a failure to store our products in accordance with the information contained in this technical sheet.

Metalube Group's sole warranty is that our products will meet their quality control specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

To the fullest extent permitted by applicable law, Metalube Group specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Metalube Group disclaims liability for any incidental or consequential damages.

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