



OCG™ 4500

Protective grease for overhead line conductors



Description

OCG4500 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.

OCG4500 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.

OCG4500 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

Global specialists in high-performance lubricants

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Company registration number: 2263118; Company registered in England VAT registration number GB108244927000



Cert No 2367QM8001



OCG™ 4500

Approvals and standards

OCG4500 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

Recommended instructions for use

OCG4500 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 OCG4500 - application equipment should be thoroughly cleaned to remove residues of previous lubricants to avoid incompatibility issues.

According to BS EN 50326:2002 OCG4500 is suitable for use over an operating temperature range of -40°C to +125°C.

Pack sizes

OCG4500 is available in 180 kg drums

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Technical Data



METALUBE®

OCG™ 4500

Technical data (typical values)

Property	Test method	Result
Appearance	MSTM 1	Brown tenacious grease
Typical S.G. @ 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 (90 days at 125°C)	IP121 (modified)	<0.34%

Storage

Store OCG4500 out of direct sunlight and protect from frost. Storage temperature should ideally be controlled to between 5°C and 35°C.

The product information in this publication is based on knowledge and experience at the time of printing. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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