



OCG™ 5000

Protective grease for overhead line conductors



Description

OCG5000 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.

OCG5000 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 150°C. This minimises oil migration from the core to the outer surface of the conductor helping to reduce corona effects.

OCG5000 meets the performance requirements of several international and grid operator 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

Metalube Limited, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK
Tel: +44 (0)161 775 7771 Fax: +44 (0)161 775 7511 post@metalube.co.uk www.metalube.co.uk

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



Cert No 2367QM8001



OCG™ 5000

Approvals and standards

OCG5000 meets the requirements of:

- BS EN 50326:2002 with the designation 20A150
- IEC 61394:2011 with the designation 20A150

OCG5000 is type approved by:

- UK National Grid to NGTS 3.04.37, issue 1 with the designation 20A150
- Eskom, South Africa to 13TB-015

Recommended instructions for use

OCG5000 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 OCG5000 - application equipment should be thoroughly cleaned to remove residues of previous lubricants to avoid incompatibility issues.

According to BS EN 50326:2002 OCG5000 is suitable for use over an operating temperature range of -20°C to +150°C.

Pack sizes

OCG5000 is available in 180 kg drums

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Technical data (typical values)

Property	Test method	Result
Appearance	MSTM 1	Brown tenacious grease
Density @ 20°C	-	0.94 g.cm ³
Base oil type	–	Mineral oil
Worked penetration	IP50	265 mm ⁻¹⁰
NLGI classification	-	2/3
Drop point	IP132	>300°C
Oil separation (4 hours at 150°C)	IP121 (modified)	0.03%

Storage

Store OCG5000 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.

Issue date 07-16

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