

Technical Data

OCG™ HTLS 250

Protective grease for HTLS overhead line conductors



METALUBE®

Description

OCG HTLS 250 is a next-generation, fully synthetic grease specifically developed for High-Temperature Low-Sag (HTLS) overhead conductors. It represents a significant advancement in conductor grease technology, now offering high-temperature performance up to 250°C.

Formulated with a blend of advanced base fluids and high-performance additives, OCG HTLS 250 delivers exceptional thermal stability, outstanding corrosion protection, and helps to extend the service life of overhead line assets, even in the most demanding environments.

It features a proprietary non-melting thickener system, a drop point exceeding 300°C and maintains extremely low oil bleed at operating temperatures up to 250°C. This minimises oil migration from the conductor's core to its outer surface, helping to reduce the risks of corona discharge.

Features and benefits

- Excellent thermal stability maximises product integrity over the operational life of the conductor
- Extremely low oil separation – even at post fault conductor temperatures of up to 250°C
- Maintains flexibility down to -50°C, prevents cracking and flaking of the grease film at low ambient temperatures
- Provides excellent corrosion protection to steel, galvanised steel, aluminium and aluminium alloy conductor components
- Reduces abrasive wear and fretting on the conductor that can result from thermal expansion/contraction and varying weather conditions

Approvals and standards

OCG HTLS 250 meets the requirements of:

- BS EN 50326:2002 with the designation 50A250
- IEC 61394:2011 with the designation 50A250

Recommended instructions for use

OCG HTLS 250 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 HTLS 250 - application equipment should be thoroughly cleaned to remove residues of previous lubricants to avoid incompatibility issues.

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Property	Test method	Result
Appearance	MSTM 1	Smooth black tenacious grease
Density @ 20°C	IP 530	1.05 g/cm ³
Base oil type	-	Synthetic
Worked penetration	ISO 2137	228 mm/10
Drop point	ISO 2176	>300°C
Oil separation 1 hours at 250°C	IP121 (modified)	0.03%
Oil separation 24 hours at 250°C	IP121 (modified)	0.64%

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

Storage

OCG HTLS 250 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.

Pack sizes

Code	Pack
F306630	180kg drum with liner
F306631	180kg drum no liner

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.

Metalube Group Ltd, 4 Huntsman Drive, Northbank Industrial Park, Irlam, Manchester M44 5EG, UK

Tel: +44 (0)161 775 7771 post@metalube.co.uk www.metalube.co.uk

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