

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **61 483 - 13 HH**

Company **OBO Bettermann GmbH & Co. KG**
Hüingser Ring 52
58710 Menden, GERMANY

Product Description **Cable ladder system made of steel**

Type **SL 42...; SL 62...; SLZL...; SLZ... according page 2 and page 3**

Environmental Category **None**

Technical Data / Range of Application **Application: The cable ladder system is applicable for installation of cables on board of ships.**
Material: Steel
Working temperature: -20° C to 120° C
Technical data according page 24 to 27 of manufacturer's catalog:
12 LSB Lösungskatalog Schiffsbau_International / en / 07/04/2010 (LLExpert_01016)

Test Standard **GL Guidelines for the Performance of Type Approvals (VI-7-1) Edition 2007**
DIN EN 61537:2007; DIN EN ISO 1461:2009;

Documents **Test report : OBO Bettermann 04-600-SL42-SWL-2012-06-01-e;**
04-600-SL62-SWL-2012-06-01-e;
04-600-SLZL-SWL-2012-06-01-e;
04-600-SLZ-SWL-2012-06-01-e

Remarks **For installation on board of ships and offshore applications preferably product versions protected against corrosion shall be used and the manufacturer's instructions should be followed**

Valid until **2019-02-12**

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File No. **I.N.05**

Hamburg, 2014-02-12

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Germanischer Lloyd

i.A. [Signature]
Arne Schaarmann

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Carsten Hunsalz

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Cable ladder light version, hot-dip galvanized (FT), incl. accessories and primed (SG), incl. accessories

SL 42 075 FT - 7097115	SL 42 075 SG - 7097026
SL 42 100 FT - 7097123	SL 42 100 SG - 7097034
SL 42 150 FT - 7097131	SL 42 150 SG - 7097042
SL 42 200 FT - 7097158	SL 42 200 SG - 7097050
SL 42 250 FT - 7097166	SL 42 250 SG - 7097069
SL 42 300 FT - 7097174	SL 42 300 SG - 7097077

Cable ladder standard version, hot-dip galvanized (FT), incl. accessories and primed (SG), incl. accessories

SL 62 110 FT - 7097409	SL 62 110 SG - 7097212
SL 62 210 FT - 7097425	SL 62 210 SG - 7097239
SL 62 310 FT - 7097433	SL 62 310 SG - 7097247
SL 62 410 FT - 7097441	SL 62 410 SG - 7097255
SL 62 510 FT - 7097468	SL 62 510 SG - 7097263
SL 62 610 FT - 7097476	SL 62 610 SG - 7097271

Cable ladder with Z-rung, light version, hot-dip galvanized (FT), incl. accessories and primed (SG), incl. accessories

SLZL 100 FT - 7098002	SLZL 100 SG - 7098032
SLZL 150 FT - 7098004	SLZL 150 SG - 7098034
SLZL 200 FT - 7098006	SLZL 200 SG - 7098036
SLZL 300 FT - 7098008	SLZL 300 SG - 7098038
SLZL 400 FT - 7098010	SLZL 400 SG - 7098040
SLZL 500 FT - 7098012	SLZL 500 SG - 7098042
SLZL 600 FT - 7098014	SLZL 600 SG - 7098044

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SLZ 100 FT - 7098132	SLZ 100 SG - 7098162
SLZ 200 FT - 7098134	SLZ 200 SG - 7098164
SLZ 300 FT - 7098136	SLZ 300 SG - 7098166
SLZ 400 FT - 7098138	SLZ 400 SG - 7098168
SLZ 500 FT - 7098140	SLZ 500 SG - 7098170
SLZ 600 FT - 7098142	SLZ 600 SG - 7098172
SLZ 700 FT - 7098144	SLZ 700 SG - 7098174
SLZ 800 FT - 7098146	SLZ 800 SG - 7098176
SLZ 900 FT - 7098148	SLZ 900 SG - 7098178
SLZ 1000 FT - 7098150	SLZ 1000 SG - 7098180
SLZ 1200 FT - 7098152	SLZ 1200 SG - 7098182

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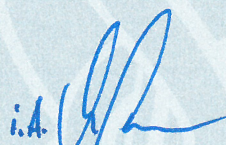
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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".