

**POTVRDA O TIPNOM ODOBRENJU**
TYPE APPROVAL CERTIFICATEBr /No **03-001537/ 031253**

Potvrđuje se da je ovaj proizvod, u skladu s Pravilima za klasifikaciju brodova, Dio 1. - Opći propisi, Odjeljak 3. - Tipno odobrenje proizvoda, odobren za ugradnju na brodove i postrojenja pod nadzorom Hrvatskog registra brodova.

This is to certify that this product, on the basis of the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products, is approved for use on board ships and installations under supervision of the Croatian Register of Shipping.

TIP I OPIS PROIZVODA:
TYPE AND DESCRIPTION OF PRODUCT:

BRODSKI ENERGETSKI KABELI
SHIPBOARD POWER CABLES
BXO-HFTG/pt; BXZO-HFTG

PROIZVOĐAČ:
MANUFACTURER:

ELKA d.o.o.
10000 Zagreb, Koledovčina 1, P.P.150
HRVATSKA – CROATIA

PROIZVOD UDOVOLJAVA SLIJEDEĆIM PRAVILIMA/PROPISIMA:
THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Hrvatski registar brodova: Pravila za tehnički nadzor pomorskih brodova; Dio 12
Norme: IEC 60092-350, IEC 60092-351, IEC 60092-352, IEC 60092-353, IEC 60092-359, IEC 60092-375, IEC 60092-754-1, IEC 61034

Croatian Register of Shipping: Rules for the Technical Supervision of Sea-Going ships; Part 12
Standards: IEC 60092-350, IEC 60092-351, IEC 60092-352, IEC 60092-353, IEC 60092-359, IEC 60092-375, IEC 60092-754-1, IEC 61034

DETALJI O PROIZVODU I UVJETIMA CERTIFIKACIJE DANI SU NA POLEĐINI.
FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

ODOBRENJE VRIJEDI DO: 2020-07-25
APPROVAL IS VALID UNTIL:

Mjesto i datum: Split, 2016-07-25
Place and date:

M.P.
(Seal)

Marinko Popović, dipl.ing.

NAPOMENA: Ova potvrda nije valjana ako se proizvod ili način njegove proizvodnje promijenio u odnosu na tipno ispitani proizvod. Proizvođač treba obavijestiti Hrvatski registar brodova o bilo kojoj izmjeni na proizvodu kako bi ishodio valjanu potvrdu.

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

PODROBNJI OPIS PROIZVODA:
DETAILED PRODUCT DESCRIPTION:

Brodski energetska kabela:

sa zaštitnim opletom (BXZO-HFTG) ili bez njega (BXO-HFTG/pt)
 izolacija: XLPE prema IEC 60092-351; plašt: poliolefin prema IEC 60092-359 tip SHF1
 napon 0.6/1 kV; maksimalna radna temperatura vodiča 85°C
 teško gorivi prema IEC 60332-1 i IEC 60332-3 A; bezhalogeni prema IEC 60754-1

Shipboard power cables:

screened (BXZO-HFTG) and unscreened (BXO-HFTG/pt)
insulation: XLPE acc. IEC 60092-351; sheath: polyolefine, acc. IEC 60092-359 type SHF-1
voltage: 0.6/1 kV; maximum operating temperature 85°C
flame retardant acc. IEC 60332-1 and IEC 60332-3/A; halogen free acc. IEC 60754-1

PODRUČJE PRIMJENE / POSEBNI GRANIČNI UVJETI:
APPLICATION / LIMITATIONS:

Primjena na pomorskim brodovima i platformama.
Marine and offshore application.

DOKUMENTACIJA ZA TIPNO ODOBRENJE:
TYPE APPROVAL DOCUMENTATION:

Tehnički opis:	TS-F-038	<i>od/dated</i>	2006-09-15
<i>Technical specification:</i>			
- Izveštaji o ispitivanju:	ELKA No. 5, 6	<i>od/dated</i>	2008-02-15
<i>- Test reports:</i>	ELKA TTR 01/08	<i>od/dated</i>	2008-04-10

- Ova Potvrda vrijedi za slijedeće veličine:
- This Certificate covers following sizes:

Jednožilni:	1,5-35 mm²
<i>Single core:</i>	
Dvožilni:	1,5-35 mm²
<i>Two core:</i>	
Trožilni:	1,5-35 mm²
<i>Three core:</i>	
Četverožilni:	1,5-35 mm²
<i>Four core:</i>	
5 do 37 žilni	1,5-2,5 mm²
<i>5 to 37 core</i>	

OZNAČAVANJE PROIZVODA:
MARKING OF PRODUCT:

ELKA ATOX-MARIN BXO-HFTG nxS mm² 0,6/1 Kv IEC 60092-353, IEC 60332-3A

ELKA ATOX-MARIN BXZO-HFTG nxS mm² 0,6/1 Kv IEC 60092-353, IEC 60332-3A

UVJETI ZA CERTIFIKACIJU:
CONDITIONS FOR CERTIFICATION:

Ne/ Non

Rašćlana

12.05.01

Zamjenjuje potvrdu

03-001137/030754