



Type Approval Certificate

Germanischer Lloyd

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

Certificate No. 47 414 - 03 HH

Company Draka Kabel B.V.
Hamerstraat 2-4
NL-1021 JV Amsterdam

Product Description Halogen free, low smoke XLPE insulated and SHF1 sheathed shipboard power and control cable with or without armour.

Type SHIPLINE PLUS Marine Cable HUSK TFXI
SHIPLINE PLUS Marine Cable HUSO TIOI

Environmental Category None

Technical Data / Range of Application
Rated voltage: 0,6/1 kV
Max. operating conductor temperature: 85° C
Conductor: Stranded plain annealed copper conductor (class2)
Insulation: XLPE
Inner sheath: SHF1 (for HUSO TIOI type only)
Armour/screen: Tinned copper wire braiding (for HUSO TIOI type only)
Outer sheath: SHF1 (halogen free polyolefin copolymer)

Application categories: 1 for HUSO TIOI and cat. 2 for HUSK TFXI

Number of cores:	Cross-sectional areas:
1	1,5mm ² to 300mm ²
2	1,5mm ² to 35mm ²
3	1,5mm ² to 240mm ²
4	1,5mm ² to 25mm ²
5 to 25	1,5mm ² and 2,5mm ²

Test Standard IEC 60092-350; IEC 60092-351; IEC 60092-353; IEC 60092-359; IEC 60332-1 Part 1; IEC 60332-3 Part 3-22 cat. A; IEC 60754-1 & 2; IEC 61034-1 & 2

Documents Test report : DRAK Netherland dated of 02.07.2003
DRAKA Netherland Rep. no. 021/03-127

Remarks None

Valid until 2008-07-23

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Type Approval Symbol



File No. I.N.01

Hamburg, 2003-07-24

Germanischer Lloyd

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