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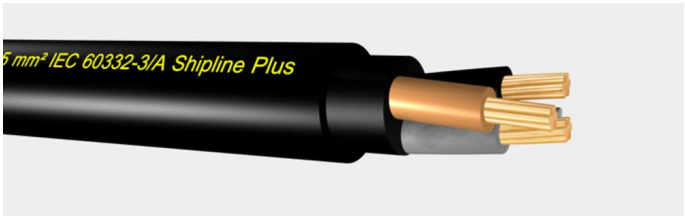
TFXI Power cable 0.6/1 kV black# 4x6 mm²

125143



GENERAL INFO

Product description

TFXI 0.6/1 kV is a **certified, halogen-free shipboard cable**. The cable is used as lighting, power and control cable in ship building and oil and gas installations (onshore and offshore) and is suitable for indoor and outdoor use.

The cable has a **high level of fire-safety** thanks to the special flame-retardant and low-smoke materials. Because of the flexible, stranded conductors, the cable is **easy to install** and **resistant to vibrations**. The cable is also **resistant to oils and greases**, which extends its service life. Thanks to the solid construction with bedding/inner sheath, the cable is **easier to install when fed through a recess**, and reliable. The round wires **facilitate the installation**.

CERTIFICATIONS AND DESIGN STANDARDS

Certifications and approvals	Lloyd's Register RoHS REACH
Standards	**IEC 60092-350** **IEC 60092-353**

CABLE DESIGN

Conductor material	Copper
Conductor surface	Bare
Core insulation material	XLPE
Core identification (acc. HD 308 S2)	Yes
Material outer sheath	Halogenfree polymer
Cable shape	Round

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APPLICATION PROPERTIES

Nominal voltage U0 [V]	600
Nominal voltage U [V]	1,000
Test voltage [kV]	3.5
Oil resistant	acc. IEC/EN 60811-404
Max. conductor temperature [°C]	90
Min. outer temperature, fixed installation [°C]	-40
Max. outer temperature, fixed installation [°C]	80
Min. outer temperature during installation [°C]	-20
Max. outer temperature during installation [°C]	80
Certified for shipboard application	Yes

FIRE PROPERTIES

Insulation integrity (acc. IEC 60331)	No
Flame retardant	In accordance with EN/IEC 60332-3-22
Halogen free	acc. IEC/EN 60754-1/2
Low smoke	acc. IEC/EN 61034-2

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PRODUCT RANGE

Product code	125143
Basic construction	4x6 mm²
Conductor category	Class 2 = stranded
Colour outer sheath	Black
Nominal outer diameter [mm]	13.9
Cable weight [kg/km]	381
Min. bending radius, fixed [mm]	115

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ELECTRICAL PROPERTIES

Product code	125143
Basic construction	4x6 mm²
Current carrying capacity [A]	47
Conductor resistance at 20° C [Ohm/km]	3.08
Conductor resistance at operation temperature [Ohm/km]	3.927

Current load according to NEN1010:2015, Table 52.B

PACKAGING

External article code	Standard packaging quantity	User unit	Packaging type
125143H5	500	MTR	Drum
125143NN	1	MTR	Without packaging

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