



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



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

APPLICATION PROPERTIES

Nominal voltage U ₀ [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	125141
Basic construction	4x4 mm ²
Conductor category	Class 2 = stranded
Colour outer sheath	Black
Nominal outer diameter [mm]	12.6
Cable weight [kg/km]	288
Min. bending radius, fixed [mm]	105

ELECTRICAL PROPERTIES

Product code	125141
Basic construction	4x4 mm ²
Current carrying capacity [A]	37
Conductor resistance at 20° C [Ohm/km]	4.61
Conductor resistance at operation temperature [Ohm/km]	5.8778

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

PACKAGING

External article code	Standard packaging quantity	User unit	Packaging type
125141H5	500	MTR	Drum
125141NN	1	MTR	Without packaging