

Toxfree Marine

TOXFREE MARINE XZ1-K (AS)



Our portfolio for marine applications includes a full range of power, control and instrumentation cables. All of them available in armoured and unarmoured versions and also splitted according to the fire performances: flame and fire retardant, and fire resistant. In this way, we cover most of cable needs in marine installations.

All Toxfree Marine cables are designed and produced according to international standards. Our choice of materials and constructions ensure that the cables are resistant halogen free and chemicals and hydrocarbons, which are commonly used on board ships. Scankab Cables' range fully complies with the requirements specified in the IEC 60092 series of standards.

Product range

- ✓ TOXFREE MARINE XZ1-K (AS)
- ✓ TOXFREE MARINE XTCuZ1-K (AS)
- ✓ TOXFREE MARINE XTCuZ1-K (AS) with bedding
- ✓ TOXFREE MARINE PLUS XZ1-K (AS+)
- ✓ TOXFREE MARINE PLUS XTCuZ1-K (AS+)
- ✓ TOXFREE MARINE PLUS XTCuZ1-K (AS+) with bedding
- ✓ TOXFREE MARINE XOxZ1-K (AS) (x: 1... 3)
- ✓ TOXFREE MARINE XOxTCuZ1-K (AS) (x: 1... 3)
- ✓ TOXFREE ZH H07Z1-K (AS)



✓ We cover almost all cable needs in marine installations.

Toxfree Marine XZ1-K (AS)

LOW VOLTAGE 0,6/1 kV

Based on : IEC 60092-353



The marine power cable.

DESIGN

Conductor

Electrolytic copper, class 5 (flexible), based on EN 60228.

Insulation

LSZH XLPE 90°C.

The standard identification is the following:

- 1 x..... Black
- 2 x..... Blue + Brown
- 3 x..... Brown + Black + Grey
- 4 x..... Blue + Brown + Black + Grey
- 5 or more conductors White with black numbers

Outer sheath

LSZH polyolephine outer sheath SHF1 type. Black colour, non-toxic and fire retardant.

APPLICATIONS

The Toxfree Marine XZ1-K (AS) cable with zero halogens is a high security cable. In case of fire, it does not emit toxic or corrosive gases, thereby protecting public health and avoiding any possible damage to electronic equipment. For this reason, its use is recommended in marine applications.

International norm : IEC 60092-350/351/359, IEC 60332-1, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2

CHARACTERISTICS

INSTALLATION CONDITIONS

Flexible conductor class 5	Minimum bending radius: 5 x cable diameter	LSZH	Impact resistance: AG2. medium impact	Public places	In conduit
Minimum service temperature for fixed installation: -40°C	Meter by meter marking	Low smoke emission: Light transmittance > 60%	Outdoor installation: permanent	Marine use	Wall attached
Maximum service temperature: 90°C	Flame non-propagation	Low corrosive gases emission	Water resistance: AD3 aspersion	Open air	On tray
Max. short-circuit temperature: 250°C (maximum 5 s)	Fire non-propagation	Environmentally friendly	Chemical & oil resistance: acceptable		