

Based on :

IEC 60092-353

LOW VOLTAGE 0,6/1kV

International norm :

IEC 60092-350/351/359, IEC 60331-21, IEC 60332-1-2, IEC 60332-3-22 (cat A), IEC 60754-1/2, IEC 61034-1/2 CE, RoHS, Bureau Veritas, DNV, Lloyd's Register

TOXFREE MARINE

XZ1-K (AS+) IEC 60331

The Marine fire resistant power cable.

DESIGN

Conductor

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

Insulation

Mica Tape + 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. Orange colour, non-toxic, fire retardant and fire resistant.

APPLICATIONS

The Toxfree Marine Plus XZ1-K (AS+) is specially designed to transmit electric power in the presence of fire, assuring electric supply to emergency circuits, like signaling lights, smoke extractors, acoustic alarms, water pumps, etc. 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 public places and marine applications.



CHARACTERISTICS

INSTALLATION CONDITIONS



Flexible conductor class 5



Minimum bending radius: 5 x cable diameter



LSZH



Mechanical stress impact: AG3. High severity



Emergency circuits



On tray



Minimum service temperature for fixed installation: -40°C



Fire resistant



Low smoke emission: Light transmittance > 60%



Outdoor installation: permanent



Public places



In conduit



Maximum service temperature: 90°C



Flame non-propagation



Low corrosive gases emission



Water resistance: AD3 sprays



Marine use



Wall attached



Maximum short-circuit temperature: 250°C (maximum 5 s)



Fire non-propagation



Environmentally friendly



Chemical & oil resistance: acceptable



Open air