

LOW VOLTAGE 0,6/1kV

Based on :

IEC 60092-353

International norm :

IEC 60092-350/351, 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

# XTCuZ1-K (AS+) - Screened IEC 60331

The Marine armoured and 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

### Armour bedding

Halogen free barrier. Polyester tape.

### Armour

Copper braid screen.

### Outer sheath

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

## APPLICATIONS

The Toxfree Marine Plus XTCuZ1-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

Flexible conductor class 5	Minimum bending radius: 5 x cable diameter	LSZH
Minimum service temperature for fixed installation: -40°C	Fire resistant	Low smoke emission: Light transmittance > 60%
Maximum service temperature: 90°C	Flame non-propagation	Low corrosive gases emission
Maximum short-circuit temperature: 250°C (maximum 5 s)	Fire non-propagation	Environmentally friendly

## INSTALLATION CONDITIONS

Mechanical stress impact: AG3. High severity	Emergency circuits	On tray
Outdoor installation: permanent	Public places	In conduit
Water resistance: AD3 sprays	Marine use	Wall attached
Chemical & oil resistance: acceptable	Open air	