

TOXFREE ZH

RZ1FZ1-K (AS)

The halogen free cable with light armour

DESIGN

Conductor

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

Insulation

XLPE.

The standard identification is the following:

- 1 x Natural
- 2x Blue + Brown
- 3 G Blue + Brown + Yellow/green
- 3 x Brown+ Black+ Grey
- 4 G Brown + Black + Grey + Yellow/green
- 4 x Brown + Black + Grey + Blue
- 5 G Brown + Black + Grey + Yellow/green + Blue

Armour bedding

LSZH polyolephine inner sheath

Armour

Galvanised steel or aluminium tape armour. Aluminium armour is used in single core cables to avoid parasite currents that may overheat the cables.

Outer sheat

LSZH polyolefin outer sheath. Green colour, non-toxic and fire retardant.

APPLICATIONS

The armoured and halogen free cable Toxfree ZH RZ1FZ1-K (AS) is a safety 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 highly recommended for public places, in installations with presence of rodents, and installations in general where the cable is subject to risk of mechanical aggression.



CHARACTERISTICS

- Flexible conductor clas 5
- Minimum bending radius 10x cable diameter
- LSZH
- Low smoke emission: Light transmittance > 60%
- Low corrosive gases emission
- Environmentally friendly
- Minimum service temperature: -40°C (Fixed and protected installation)
- Meter by meter marking
- Flame non-propagation
- Fire non-propagation
- Maximum service temperature 90°C
- Maximum short-circuit temperature: 250°C (max. 5 s)

INSTALLATION CONDITIONS

- Impact resistance AG3 strong impact
- Public places
- In conduit
- Outdoor installation: permanent
- Industrial use
- Rodent proof
- Water resistance AD3 aspersión
- Open air
- Chemical & Oil resistance: permanent
- Buried