

# TOXFREE ZH

# RC4Z1-K (AS)

The halogen free screened power cable

## 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

### Separator

Polyester tape separator to avoid direct contact between the insulated conductors and the copper braid.

### Screen

Tinned copper braided screening

### Outer sheath

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

## APPLICATIONS

The screened and halogen free cable Toxfree ZH RC4Z1-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 and for all installations where it is necessary avoid to electric interference of nearby circuits .



## ❖ CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius 5x cable diameter
- Minimum service temperature: -40°C (Fixed and protected installation)
- Meter by meter marking
- Maximum service temperature 90°C
- Flame non-propagation
- Maximum short-circuit temperature: 250°C (max. 5 s)
- Fire non-propagation

- LSZH
- Low smoke emission: Light transmittance > 60%
- Low corrosive gases emission
- Impact resistance AG2 medium impact

- Outdoor installation: permanent
- Water resistance AD3 aspersion
- Chemical & Oil resistance: permanent
- Electric fields resistant

## ❖ INSTALLATION CONDITIONS

- Public places
- In conduit
- Industrial use
- Open air
- Buried