

# TOXFREE ZH

# RZ1MZ1-K (AS)

The halogen free cable with high mechanical strength

## 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

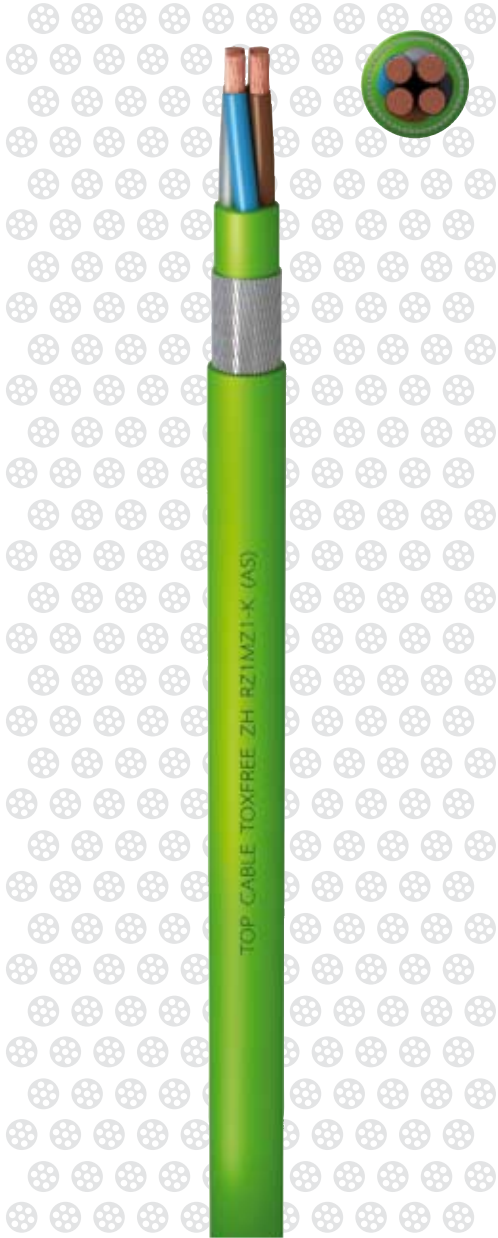
Galvanised steel wire armour, is wound over the separation sheath. For single core cables (type RZ1MAZ1-K), aluminium wire armour is used to avoid parasite currents that may overheat the cables.

### Outer sheath

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

## APPLICATIONS

The armoured and halogen free cable Toxfree ZH RZ1MZ1-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 hazardous areas with explosive gas atmospheres, and installations in general where the cable is subject to risk of mechanical aggression.



## CHARACTERISTICS

- Flexible conductor class 5
- Minimum bending radius 10x cable diameter
- LSZH
- Low smoke emission: Light transmittance > 60%
- Low corrosive gases emission
- Impact resistance AG3 strong impact
- Minimum service temperature: -40°C (Fixed and protected installation)
- Meter by meter marking
- Flame non-propagation
- Fire non-propagation

## INSTALLATION CONDITIONS

- Outdoor installation: permanent
- Public places
- In conduit
- Water resistance AD3 aspersion
- Industrial use
- Rodent proof
- Chemical & Oil resistance: permanent
- Open air
- Buried
- Suited for explosion proof installations.