

TOXFREE PLUS 331 ZH

SZ1-K (AS+) / RZ1-K (AS+)

The fire resistant power cable

DESIGN

Conductor

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

Insulation

Preferred constructions:

SZ1-K: Silicone rubber up to 4 mm²

RZ1-K: Mica tape + XLPE from 6 mm²

The standard identification is the following:

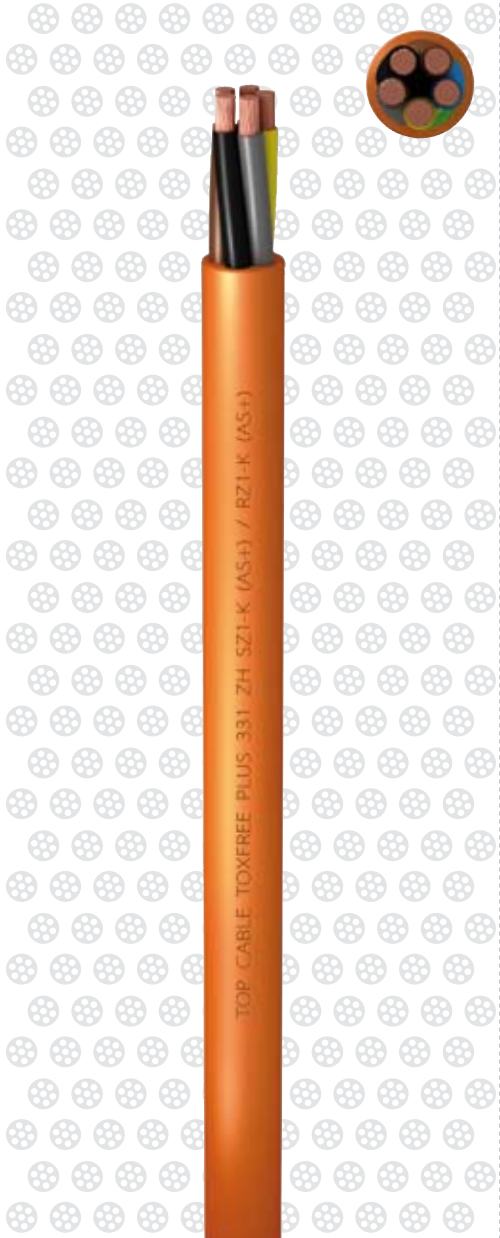
- 1 x Natural
- 2 x Blue + Brown
- 3 G Blue + Brown + Yellow/green
- 4 G Brown + Black + Grey + Yellow/green
- 5 G Brown + Black + Grey + Yellow/green + Blue

Outer sheath

LSZH polyolefin outer sheath, orange colour.

APPLICATIONS

The Toxfree Plus 331 ZH SZ1-K (AS+) / RZ1-K (AS+) is specially designed to transmit electric power in extrem conditions such as during a fire. Where it is necessary to ensure the power supply to emergency circuits, signaling lights, fume 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 highly recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in, offices, production plants, laboratories, etc.



CHARACTERISTICS

- Flexible conductor, class 5
- Minimum bending radius 5x cable diameter
- Fire resistant 120 min at 840° PHI20
- Impact resistance AG2 medium impact
- Minimum service temperature: -40°C (Fixed and protected installation)
- Meter by meter marking
- LSZH
- Outdoor installation: permanent
- Maximum service temperature 90°C
- Flame non-propagation
- Low smoke emission: Light transmittance > 60%
- Water resistance AD3 aspersion
- Maximum short-circuit temperature: 250°C (max. 5 s)
- Fire non-propagation
- Low corrosive gases emission

INSTALLATION CONDITIONS

- Emergency circuits
- Buried
- Public places
- In conduit
- Industrial use
- Open air
- Chemical & Oil resistance: acceptable