

LOW VOLTAGE  
0,6/1kV

Reference Norm

IEC 60502 - UNE 21123-4



## TOXFREE ZH RZ1-K (AS)

The halogen free power cable.

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

**Insulation:** XLPE.

The standard identification is the following:

- 1 x Black
- 2 x Blue + Brown
- 3 G Blue + Brown + Yellow/green
- 3 x Brown + Black + Grey
- 3 x + 1 x Brown + Black + Grey + Blue (reduced cross section)
- 4 G Brown + Black + Grey + Yellow/green
- 4 x Brown + Black + Grey + Blue
- 5 G Brown + Black + Grey + Yellow/green + Blue

**Outer sheath:** LSZH polyolephine outer sheath. Green colour, non-toxic and fire retardant.

**Applications:** The Toxfree RZ1-K (AS) cable with zero halogens is a high security 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 recommended in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, tunnels, the underground, etc., as well as in calculation centres, offices, production plants, laboratories, etc.

**National norm / european:** EN 60332-1 / EN 50266 / EN 50267-1 / EN 50267-2 / EN 61034

**International norm:** IEC 60332-1 / IEC 60332-3 / IEC 60754-1 / IEC 60754-2 / IEC 61034

### CHARACTERISTICS



Flexible conductor, class 5



Minimum service temperature: -15°C



Maximum service temperature: 90°C



Maximum short-circuit temperature: 250°C (max 5 s)



Minimum bending radius: 5 x cable diameter



Meter by meter marking



Flame non-propagation



Fire non-propagation



LSZH



Low smoke emission: Light transmittance > 60%



Low corrosive gases emission



Impact resistance: AG2. Medium impact



Outdoor installation: permanent



Environmentally friendly



Water resistance: AD3 Aspersion



Chemical & oil resistance: acceptable

### INSTALLATION CONDITIONS



Public places



Industrial use



Open air



Buried



In conduit