

## **TOXFREE® ZH OUTDOOR H07Z1-K (AS) type 2 CuSn** Flexible and halogen free earthing connections.



TOP CABLE OUTDOOR H07Z1-I

ACCORDING TO: EN 50525-3-31 / UNE 211002

# **B2**ca

## **APPLICATION**

Toxfree<sup>®</sup> ZH Outdoor H07Z1-K is a LSHF safety cable specially engineered for earthing connections in outdoor installations. The tinned copper and the special UV resistant compound make the cable resistant against corrosion and UV rays degradation.

#### CONSTRUCTION

#### Conductor

Electrolytic annealed tinned copper conductor class 5 (flexible) according to IEC 60228 and EN 60228.

#### Insulation

UV resistant (LSHF) polyolefin insulation type TI7 according to EN 50363-7.

The standard identification of insulated conductors is the following:

Green/Yellow RAL 6018/1021 Other colours available on request.

## **CHARACTERISTICS**

Electrical performance
Low voltage: 450/750 V.

#### Thermal performance

Maximum service temperature:  $70^{\circ}$ C. Maximum short-circuit temperature:  $160^{\circ}$ C (max. 5 s). Minimum service temperature:  $-40^{\circ}$ C (fixed and protected installations).

#### Fire performance

Flame non-propagation according to EN 60332-1 / IEC 60332-1. Fire non-propagation according to EN 60332-3-24 / IEC 60332-3-24 and EN 50399.

Reaction to fire CPR: B2<sub>ca</sub>-s1a, d1, a1, according to EN 50575. LSHF (Low Smoke Zero Halogen) according to EN 60754-1 / IEC 60754-1.

Low smoke emission according to EN 61034 / IEC 61034: Light transmittance > 80%. Low corrosive gases emission according to EN 60754-2 / IEC 60754-2.

### Mechanical performance

Minimum bending radius: 5x cable diameter.

## Environmental performance Characteria 2 Oil projections From

Chemical & Oil resistance: Excellent. Grease & mineral oils resistance: Excellent. UV Resistant according to EN 50618. Ozone resistant according to EN 50618.

#### STANDARDS / COMPLIANCE



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