



TOXFREE[®] ZH OUTDOOR H07Z1-K (AS) Cu/Sn

Flexible and halogen free earthing connections.

BASED ON: EN 50525-3-31 / UNE 211002.

DESIGN



Conductor

Electrolytic tinned copper, class 5 (flexible), based on EN 60228 and IEC 60228.

Insulation

UV resistant (LSZH) polyolefin insulation.

The standard identification of insulated conductors is the following:

Green/Yellow ● RAL 1021/6018

Other colours available on request.

APPLICATIONS

Toxfree[®] 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 compounds makes the cable resistant against corrosion and UV rays degradation.



For more information: www.topcable.com

FEATURES



Electrical performance

Low voltage 450/750 V.



Based on

EN 50525-3-31 / UNE 211002



Standards and approvals

HAR / AENOR / RoHS / CE.



CPR (Construction Products Regulation)

B2_{ca} - s1a, d1, a1.



Thermal performance

Maximum service temperature: 70°C.

Maximum short-circuit temperature: 160°C (max. 5 s).

Minimum service temperature: -40°C (fixed and protected installations).



Climatic performance

 Cold climates (from -40°C)

UV UV Resistant based on EN 50618.

O₃ Ozone resistant based on EN 50618.



Fire performance

Flame non-propagation based on EN 60332-1 and IEC 60332-1.

Fire non-propagation based on EN 60332-3 and IEC 60332-3.

LSHF (Low Smoke Zero Halogen) based on EN 60754-1 and IEC 60754-1.

Low smoke emission based on EN 61034 and IEC 61034:

Light transmittance > 60%.

Low corrosive gases emission based on UNE-EN 60754-2 and IEC 60754-2.

Reaction to fire CPR: B2_{ca} - s1a, d1, a1, according to EN 50575.



Mechanical performance

Minimum bending radius: x5 cable diameter.



Chemical performance

Chemical & Oil resistance: acceptable.



Water performance

Water resistance: AD3 Sprays.



Other

Meter by meter marking. (from 10mm² onwards).



Installation conditions

In conduit.

Open air.



Packaging

High-resistant boxes and cable drums.