



B2ca

APPLICATION

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 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°C.
Maximum short-circuit temperature: 160°C (max. 5 s).
Minimum service temperature: -40°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: B2ca-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**
Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.
UV Resistant according to EN 50618.
Ozone resistant according to EN 50618.

STANDARDS / COMPLIANCE

-  **According to**
EN 50525-3-31 / UNE 211002
-  **Standards and approvals**
HAR / AENOR / BUREAU VERITAS / RoHS / CE
-  **CPR (Construction Products Regulation)**
B2ca-s1a, d1, a1

