

TOXFREE® XTREM ZH H07ZZ-F (AS)

The extra-flexible LSHF rubber cable for mobile service.

ACCORDING TO: EN 50525-3-21

B2_{ca}
C_{ca}



APPLICATION

Toxfree® Xtrem ZH H07ZZ-F (AS) is a flexible cable for mobile service, suitable for installations where low smoke and halogen free fumes under fire conditions are required. The use nominal voltage up to 1000 V is accepted in fixed protected assemblies. Suitable for installations where the cable must withstand medium mechanical stress, for machines in industrial and agricultural workshops, for motors and transportable machines on construction sites, for windmills and for agricultural applications.

- Industrial use.
- Mobile use.
- Windmills.

CONSTRUCTION

Conductor

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

Insulation

Halogen free thermosetting rubber, type EI8 according to EN 50363-5.

The standard identification according to HD 308, is the following:

1 x	Natural
2 x	Blue + Brown
3 G	Blue + Brown + Green/Yellow
4 G	Brown + Black + Grey + Green/Yellow
5 G	Brown + Black + Grey + Blue + Green/Yellow
6 or more	Black numbered + Green/Yellow

Outer sheath

Halogen free thermosetting flexible rubber, type EM8 according to EN 50363-6.
Black colour.

CHARACTERISTICS



Electrical performance
Low voltage: 450/750 V.



Thermal performance
Maximum conductor temperature: 90°C.
Maximum short-circuit temperature: 250°C (max. 5 s).
Minimum temperature in mobile service: -40°C.



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_{ca}-s1b, d1, a1 or C_{ca}-s1b, d2, a1 according to EN 50575 (see cross-section).
Halogen free according to EN 60754-1 / IEC 60754-1.
Low corrosive gases emission according to UNE-EN 60754-2 / IEC 60754-2.
Low smoke emission according to EN 61034 / IEC 61034:
Light transmittance > 60%.



Mechanical performance
Minimum bending radius: 3x cable diameter < 12 mm.
4x cable diameter ≥ 12 mm.
Impact resistance: AG2 Medium severity.



Environmental performance
Chemical & Oil resistance: Excellent.
Grease & mineral oils resistance: Excellent.
Water resistance: AD7 immersion.



Installation conditions
Open Air.
In conduit.



Other
Meter by meter marking.

STANDARDS / COMPLIANCE



According to
EN 50525-3-21



Standards and approvals
HAR / AENOR / CE



CPR (Construction Products Regulation)
B2_{ca}-s1b, d1, a1. (according to cross-section) or
C_{ca}-s1b, d2, a1. (according to cross-section)

