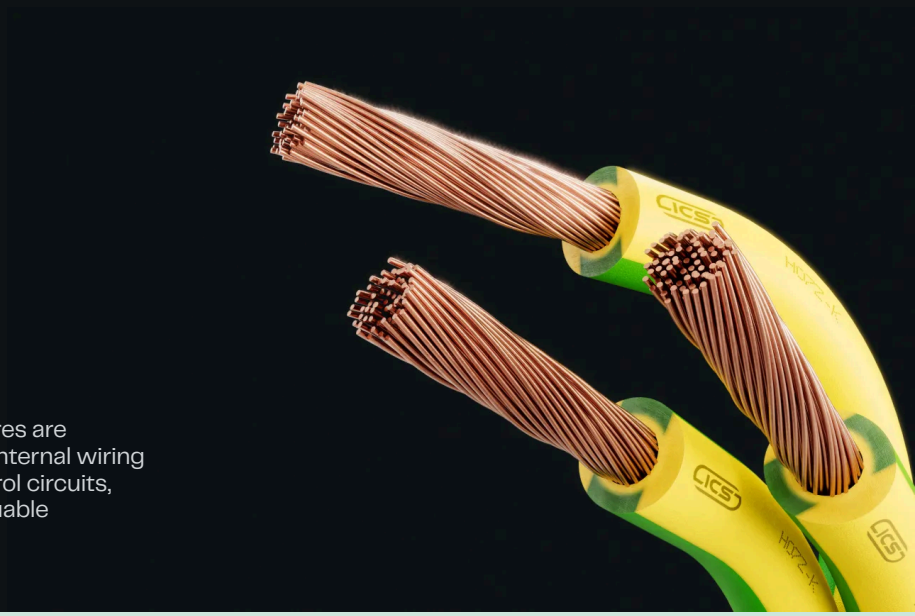
We Make Modern Life Possible.



PVC AND RUBBER CABLES AND WIRES

# H07Z-K

## XLPE insulated wire, halogen-free

These halogen-free and flame retardant single cores are intended for fixed and protected installations, for internal wiring of equipment and lightings, for signaling and control circuits, especially for the protection of human life and valuable equipment.

### TECHNICAL DATA

**Standard**
EN 50525-3-41

**Test Voltage**
2500 V / 50 Hz

**Rated Voltage**
450/750 V (Uo/U)

**Bending radius (min.)**
Fixed installation: 3 x Ø up to 12 mm
4 x Ø over 12 mm
Flexible use: 5 x Ø up to 12 mm
6 x Ø over 12 mm

**Fire properties**
EN 60332-1-2: self-extinguishing and flame retardant

**Core identification**
According to EN 50525-1 - black, white, blue, brown, red, orange, violet, pink, green/yellow, yellow, green, grey

**Temperature range**
Fixed installation: -40°C up to 90°C
Flexible use: -20°C up to 90°C

### DESIGN



1. Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
2. Core insulation of special halogen-free, flame retardant compound based on cross-linked polymer (XLPE)

| Number of cores x nominal cross-section | Outer diameter appr. (mm) | Cu-value (kg/km) | Total weight appr. (kg/km) |
|---|---|---|---|
| 1 x 1.5 | 2.9 | 14.4 | 20 |
| 1 x 2.5 | 3.6 | 24 | 31 |
| 1 x 4 | 4.8 | 38 | 51 |
| 1 x 6 | 6.0 | 58 | 71 |
| 1 x 10 | 6.7 | 96 | 118 |
| 1 x 16 | 8.2 | 154 | 180 |
| 1 x 25 | 10.2 | 240 | 278 |
| 1 x 35 | 11.5 | 336 | 375 |
| 1 x 50 | 13.6 | 480 | 560 |
| 1 x 70 | 16.0 | 672 | 780 |
| 1 x 95 | 18.4 | 912 | 952 |
| 1 x 120 | 20.3 | 1152 | 1200 |
| 1 x 150 | 22.7 | 1440 | 1530 |
| 1 x 185 | 25.3 | 1776 | 1900 |
| 1 x 240 | 28.3 | 2304 | 2450 |

Technical changes reserved. All figures are therefore without guarantee.

**CONTACT PERSON**

**Dipl. Ing. Peter Tomka**

+421 37 6969631
peter.tomka@ics-cables.sk

