



INTERKABEL KYIV

H05Z-U / H05Z-K

Insulated wire

DESIGN



- 1 | Copper conductor, solid wire (–U) resp. fine wire (–K)
 2 | Core insulation (halogen-free polymer compound, cross-linked)

APPLICATION

For fixed and protected installation within appliances as well as in and on luminaires. Permissible for installation in conduits on and under plaster but only for control and signalisation circuits. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire.

TECHNICAL DATA



Standard:
EN 50525-3-41



Rated voltage:
300/500 V



Test voltage:
2 kV/50 Hz



Temperature range:
 laying temperature: min. +5 °C operating
 temperature: –5 °C to +70 °C conductor
 temperature: max. +90 °C short-circuit
 temperature: max. +250 °C/5 s



Bending radius (min.):
4 x Ø of cable



Fire properties:
 flame retardant:
 EN 60332-1-2
 halogen-free, non-corrosive combustion gases:
 EN 60754-2
 low smoke emission:
 EN 61034-2



Certificate:
UkrSepro certification in Ukraine

| Number and nominal cross-section of cores (mm ²) | Calculated cable diameter (mm) | Calculated weight 1 km of cable (kg) | Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km) |
|--|--------------------------------|--------------------------------------|--|
| H05Z-U | | | |
| 0,5 | 36,000 | 2,0 | 10 |
| 0,75 | 24,500 | 2,2 | 15 |
| 1 | 18,100 | 2,4 | 15 |
| H05Z-K | | | |
| 0,5 | 39,000 | 2,2 | 10 |
| 0,75 | 26,000 | 2,4 | 15 |
| 1 | 19,500 | 2,6 | 15 |

Subject to technical changes.



INTERKABEL KYIV

H07Z-U / H07Z-R / H07Z-K

Insulated wire

DESIGN



- 1 | Copper conductor, solid wire (–U), stranded wire (–R) or fine wire (–K)
 2 | Core insulation (halogen-free polymer compound, cross-linked)

APPLICATION

For fixed installation in conduits on or under plaster. Suitable for the protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire.

TECHNICAL DATA



Standard:
EN 50525-3-41



Rated voltage:
450/750 V



Test voltage:
2 kV/50 Hz



Temperature range:
 laying temperature: min. +5 °C
 operating temperature: –5 °C to +90 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °C/5 s



Bending radius (min.):
4 x Ø of cable



Core identification:
bk, bu, bn, gy, or, pk, rd, tq, vt, wh, gnye



Fire properties:
 flame retardant:
 EN 60332-1-2
 halogen-free, non-corrosive combustion gases:
 EN 60754-2
 low smoke emission:
 EN 61034-2



Certificate:
UkrSepro certification in Ukraine

| Number and nominal cross-section of cores (mm ²) | Calculated cable diameter (mm) | Calculated weight 1 km of cable (kg) | Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km) |
|--|--------------------------------|--------------------------------------|--|
| H07Z-U | | | |
| 1,5 | 12,100 | 3,0 | 20 |
| 2,5 | 7,410 | 3,5 | 30 |
| 4 | 4,610 | 4,0 | 45 |
| H07Z-R | | | |
| 6 | 3,080 | 5,0 | 65 |
| 10 | 1,830 | 6,5 | 110 |
| 16 | 1,150 | 7,5 | 175 |

Subject to technical changes.

H07Z-U / H07Z-R / H07Z-K

| Number and nominal cross-section of cores (mm ²) | Calculated cable diameter (mm) | Calculated weight 1 km of cable (kg) | Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km) |
|--|--------------------------------|--------------------------------------|--|
| H07Z-R | | | |
| 25 | 0,727 | 9,0 | 275 |
| 35 | 0,524 | 10,0 | 365 |
| 50 | 0,387 | 12,0 | 490 |
| 70 | 0,268 | 14,0 | 700 |
| 95 | 0,193 | 16,5 | 920 |
| 120 | 0,153 | 18,5 | 1 150 |
| 150 | 0,124 | 20,5 | 1 400 |
| 185 | 0,099 | 22,5 | 1 760 |
| 240 | 0,075 | 25,5 | 2 300 |
| H07Z-K | | | |
| 1,5 | 13,300 | 2,9 | 20 |
| 2,5 | 7,980 | 3,6 | 31 |
| 4 | 4,950 | 4,4 | 50 |
| 6 | 3,300 | 4,7 | 69 |
| 10 | 1,910 | 6,0 | 110 |
| 16 | 1,210 | 7,5 | 170 |
| 25 | 0,780 | 9,5 | 255 |
| 35 | 0,554 | 11,0 | 345 |
| 50 | 0,386 | 13,0 | 490 |
| 70 | 0,272 | 15,0 | 700 |
| 95 | 0,206 | 17,0 | 930 |
| 120 | 0,161 | 18,5 | 1 150 |
| 150 | 0,129 | 21,0 | 1 400 |
| 185 | 0,106 | 23,0 | 1 840 |
| 240 | 0,080 | 27,0 | 2 400 |

Subject to technical changes.