

## H07Z-K

**H07Z-K**

Cable manufactured according to the harmonized standard (H), for rated voltage 450/750V (07), with insulation made of halogen-free compound (Z) and multi wire flexible conductor (-K)

**Application**

Halogen-free single-conductor power cable with specific properties under fire conditions designed for use in fixed installations in installation pipes mounted on surface or embedded in pipes as well as in fixed and secured installations inside or outside lighting or control devices of rated voltage not exceeding 450/750V. It is particularly recommended to use where - in case of risk of ignition - low emission of smoke and corrosion gases is required.

**Technical data**

**Conductor:** Cu-ETP1 (acc. to EN 13602), multi wire, flexible, class 5 (acc. to EN 60228)  
**Insulation:** Halogen-free elastomer compound, type EI5 (acc. to EN 50363-5)  
**Sheath:** Not applicable  
**Temperature range:** Up to +90°C  
**Standard:** EN 50525-3-41  
 Cables conform to the requirements of REACH Regulation and RoHS Directive.

**Technical characteristics**

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| Number of<br>conductors<br>x Nominal<br>Cross-<br>section | Conductor<br>structure |                            | Resistance<br>at 20°C | Insulation<br>thickness | Sheath<br>thickness | Outer<br>diameter of<br>cable |        | Approximate<br>weight of<br>cable |
|-----------------------------------------------------------|------------------------|----------------------------|-----------------------|-------------------------|---------------------|-------------------------------|--------|-----------------------------------|
|                                                           | Number<br>of wires     | Single<br>wire<br>diameter |                       |                         |                     | (min.)                        | (max.) |                                   |
|                                                           |                        | (max.)                     |                       |                         |                     |                               |        |                                   |
|                                                           |                        | mm                         |                       |                         |                     |                               |        |                                   |
| mm²                                                       |                        | mm                         | mΩ/m                  | mm                      | mm                  | mm                            | mm     | kg/km                             |
| 1 x 1,50                                                  | 29                     | 0,26                       | 13,3                  | 0,7                     | --                  | 2,8                           | 3,5    | 20,30                             |
| 1 x 2,50                                                  | 48                     | 0,26                       | 7,98                  | 0,8                     | --                  | 3,4                           | 4,3    | 31,60                             |
| 1 x 4,00                                                  | 53                     | 0,31                       | 4,95                  | 0,8                     | --                  | 3,9                           | 4,9    | 46,50                             |
| 1 x 6,00                                                  | 80                     | 0,31                       | 3,30                  | 0,8                     | --                  | 4,4                           | 5,5    | 66,00                             |
| 1 x 10,00                                                 | 75                     | 0,41                       | 1,91                  | 1,0                     | --                  | 5,7                           | 7,1    | 113,20                            |
| 1 x 16,00                                                 | 119                    | 0,41                       | 1,21                  | 1,0                     | --                  | 6,7                           | 8,4    | 166,30                            |
| 1 x 25,00                                                 | 184                    | 0,41                       | 0,780                 | 1,2                     | --                  | 8,4                           | 10,6   | 261,20                            |

|            |      |      |       |     |    |      |      |         |
|------------|------|------|-------|-----|----|------|------|---------|
| 1 x 35,00  | 258  | 0,41 | 0,554 | 1,2 | -- | 9,7  | 12,1 | 354,10  |
| 1 x 50,00  | 371  | 0,41 | 0,386 | 1,4 | -- | 11,5 | 14,4 | 515,70  |
| 1 x 70,00  | 525  | 0,41 | 0,272 | 1,4 | -- | 13,2 | 16,6 | 707,40  |
| 1 x 95,00  | 695  | 0,41 | 0,206 | 1,6 | -- | 15,1 | 18,8 | 948,70  |
| 1 x 120,00 | 888  | 0,41 | 0,161 | 1,6 | -- | 16,7 | 20,9 | 1192,40 |
| 1 x 150,00 | 1140 | 0,41 | 0,129 | 1,8 | -- | 18,6 | 23,3 | 1524,20 |

## Contact

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