

CONSTRUCTION

- 1 Copper conductor (class 5)
- 2 XL-LSZH insulation



SPECIFICATIONS

Code : H05Z-K I H07Z-K
 Standards : HD 22.9 S3 BS7211
 Rated Voltage : $U_0/U=450/750$ V

Application :
 These cables are used in densely populated places such as hospitals, schools, shopping centers and public buildings to secure human lives. In case of fire risk, heavy smoke and corrosive harmful gases "which are suffocative and dangerous" are not released from insulation of the cable. Can be used in steady installations over and under plaster and in conduit.



Temperature Range



Max. Operating Temperature



Short Circuit Temperature



Flame Retardant IEC 60332-1/2



Flame Retardant IEC 60332-3-24 Cat.C



Halogen Free IEC 60754-1/2



Low Smoke Emission IEC 61034-1/2



Min. Bending Radius



RoHS

PHYSICAL AND ELECTRICAL PROPERTIES

| Nominal cross-section | Overall diameter approx. | Net weight approx. | Delivery length | Conductor DC resistance at 20°C | Current carrying capacity in (30°C) | |
|-----------------------|--------------------------|--------------------|-----------------|---------------------------------|-------------------------------------|-------------|
| | | | | | Conduit | In the wall |
| mm ² | mm | kg/km | m | / km (max.) | A | A |
| 0.75 | 2.4 | 11 | 100 | 26 | 11 | 14 |
| 1 | 2.5 | 14 | 100 | 19,5 | 14 | 17 |
| 1,5 | 2.9 | 20 | 100 | 13,3 | 19 | 23 |
| 2,5 | 3.6 | 31 | 100 | 7,98 | 26 | 31 |
| 4 | 4.2 | 45 | 100 | 4,95 | 35 | 42 |
| 6 | 4.8 | 66 | 100 | 3,3 | 45 | 54 |
| 10 | 6.2 | 109 | 100 | 1,91 | 61 | 75 |
| 16 | 7.4 | 164 | 100 | 1,21 | 81 | 100 |
| 25 | 9.2 | 251 | 100 | 0,78 | 106 | 133 |
| 35 | 10.4 | 350 | 1000 | 0,554 | 131 | 164 |
| 50 | 12.4 | 500 | 1000 | 0,386 | 158 | 198 |
| 70 | 14.6 | 680 | 1000 | 0,272 | 200 | 253 |
| 95 | 16.6 | 900 | 1000 | 0,206 | 241 | 306 |
| 120 | 18.8 | 1150 | 1000 | 0,161 | 278 | 354 |
| 150 | 21.0 | 1420 | 1000 | 0,129 | 318 | - |
| 185 | 23.0 | 1720 | 1000 | 0,106 | 362 | - |
| 240 | 26.0 | 2350 | 1000 | 0,0801 | 424 | - |