

## HSLH-JZ



### Areas of Use

These types of Halogen Free Flame Retardant cables are used in office equipment, electronic control systems, air condition systems, power stations, engineering projects for control, vision and measurement purposes. These can be used in wet or dry indoor applications. Because of the HFFR material, These don't burn easily and when These do, the flames go off by themselves. These have low smoke density and These don't emit poisonous and corrosive gases during a fire. These used in buildings where there are important goods or human population.

### Cable Construction

|                     |   |
|---------------------|---|
| Conductor           | Stranded Annealed Copper (IEC/EN 60228, Class 5)                                      |
| Insulation          | HFFR (EN 50290-2-26)  |
| Core Colors         | Black (white numbered) Green-Yellow earth core in the outer layer (3 cores and above) |
| Lay-up              | Cores are stranded in layers  |
| Outer Sheath        | HFFR (EN 50290-2-27), RAL 7001 - Grey   |
| Reference Standards | TS 13734  |

### Technical Properties

|                             |   |
|-----------------------------|---|
| Operating Voltage           | 0.50 mm <sup>2</sup> .1.50 mm <sup>2</sup> 300 V / 500 V; 2.50 mm <sup>2</sup> ..... 450 V / 750 V  |
| Test Voltage                | 2500 V  |
| Conductor Resistance        | 0.50 mm <sup>2</sup> - ≤39 Ω/km; 0.75 mm <sup>2</sup> - ≤26 Ω/km; 1.00 mm <sup>2</sup> - ≤19.5 Ω/km; 1.50 mm <sup>2</sup> - ≤13.3 Ω/km; 2.50 mm <sup>2</sup> - ≤7.98 Ω/km |
| Insulation Resistance       | >200 M.Ωxkm   |
| Temperature Range           | Fixed: -30 °C .....+70 °C, Flexible: -5 °C .....+70 °C  |
| Flame Retardancy            | IEC/EN 60332-1  |
| Smoke Density               | IEC/EN 61034-2  |
| Amount of Halogen Acid Gas  | IEC/EN 60754-1  |
| Corrosive Gases Measurement | IEC/EN 60754-2  |
| Min. Bending Radius         | Fixed: 8 x Cable Diameter, Flexible: 15 x Cable Diameter  |

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