

## HSLHSH/ HSLHQH



### Areas of Use

These Halogen Free Flame Retardant cables (armored) are used for 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 don't emit poisonous and corrosive gases during the fire. They are used in buildings where there are important goods or human populations. Armor; protect against mechanical traverse loads and act as a magnetic screen against interference.

### Cable Construction

<b>Conductor</b>	Stranded Annealed Copper (IEC/EN 60228, Class 5)
<b>Insulation</b>	HFFR (EN 50290-2-26)
<b>Core Colors</b>	Black (white numbered) Green-Yellow earth core in the outer layer (3 cores and above)
<b>Lay-up</b>	Cores are stranded in layers
<b>Inner Sheath</b>	HFFR (EN 50290-2-27)
<b>Armour</b>	Galvanised Steel Wire Braid
<b>Outer Sheath</b>	HFFR (EN 50290-2-27), RAL 7001 - Grey
<b>Reference Standards</b>	With reference to VDE 0245

### Technical Properties

<b>Operating Voltage</b>	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
<b>Test Voltage</b>	2500 V
<b>Conductor Resistance</b>	0.14 mm <sup>2</sup> - ≤138 Ω/km; 0.22 mm <sup>2</sup> - ≤85 Ω/km; 0.25 mm <sup>2</sup> - ≤77.8 Ω/km; 0.34 mm <sup>2</sup> - ≤56 Ω/km; 0.50 mm <sup>2</sup> - ≤39 Ω/km; 0.75 mm <sup>2</sup> - ≤26Ω/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
<b>Insulation Resistance</b>	>200 M.Ωxkm
<b>Temperature Range</b>	Fixed: -30 °C .....+70 °C, Flexible: -5 °C .....+70 °C
<b>Flame Retardancy</b>	IEC/EN 60332-1
<b>Min. Bending Radius</b>	Fixed: 10 x Cable Diameter, Flexible: 15 x Cable Diameter

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