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

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
Inner Sheath	HFFR (EN 50290-2-27)
Armour	Galvanised Steel Wire Braid
Outer Sheath	HFFR (EN 50290-2-27), RAL 7001 - Grey
Reference Standards	With reference to VDE 0245

Technical Properties

Operating Voltage	0.50 mm²..1.50 mm² 300 V / 500 V; 2.50 mm²..... 450 V / 750 V
Test Voltage	2500 V
Conductor Resistance	0.14 mm²- ≤138 Ω/km; 0.22 mm²- ≤85 Ω/km; 0.25 mm²- ≤77.8 Ω/km; 0.34 mm²- ≤56 Ω/km; 0.50 mm²- ≤39 Ω/km; 0.75 mm²- ≤26Ω/km; 1.00 mm²- ≤19.5 Ω/km; 1.50 mm²- ≤13.3 Ω/km; 2.50 mm²- ≤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
Min. Bending Radius	Fixed: 10 x Cable Diameter, Flexible: 15 x Cable Diameter

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