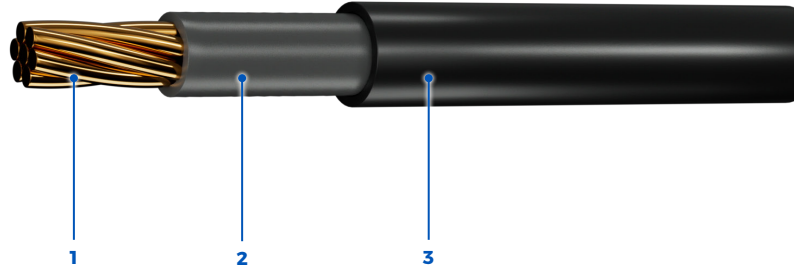


SL-HF 600/1000 V Unarmoured Single Conductor (LSZH), HF90/SHF1

SL-HF 600/1000 V unarmoured single core cables are suitable for use in offshore oil and gas, shipboard and marine applications. Our cables are made to IEC specifications and can be modified to fit your specific requirements.



- 1 - Stranded Bare or Tinned Class 2 or Class 5 Copper Conductors
- 2 - Halogen Free HF90 Insulated Conductors

- 3 - Protective LSZH Outer Sheath

Standards:



Operating Temperature

-40°C to +90°C

Product Construction

Conductor:

- Stranded bare or tinned copper class 5 (standard) or class 2 (optional)

Insulation:

- Halogen Free HF90 Rated: +90°C Wet/Dry, IEC 60092-360

Jacket:

- FR LSZH Thermoplastic, IEC 60092-360 (SHF1)

Available in:

- Custom insulation/ jacket colours

Certification/Compliances

Construction & Materials:

- IEC 60092-353
- IEC 60092-350
- IEC 60092-360 (Insulation & Sheath)
- IEC 60228 (Conductor)

Performance:

- IEC 60332-1-2 (Flame Retardancy)
- IEC 60754-1 & 2, IEC 60684-2 (Halogen Free)
- IEC 61034-1 & 2 (Low Smoke Emission)
- IEC 60811-403 (Ozone Resistance)
- Cold Bend & Impact (-40°C/-35°C)

Approvals:

- American Bureau of Shipping (ABS)
- Lloyd's Register
- Transport Canada

600/1000 V

Power and Control

Voltage

Colour Coding

- Black conductor (standard)

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NUMBER OF CONDUCTORS	X	SIZE OF CONDUCTORS	NOMINAL OD OVERALL CABLE	CABLE WEIGHT	AMPACITY	SHAWFLEX PART NUMBER
(c)		(mm ²)	(in/mm)	(lbs/1000ft) / (kg/km)	(45°C ambient)	
1c	x	1	0.2 / 5.1	28 / 41.66	18	SL010E0101F0800
1c	x	1.5	0.2 / 5.4	32.93 / 49	23	SL010E3A01F0800
1c	x	2.5	0.2 / 5.8	41.4 / 61.61	30	SL010E5A01F0800
1c	x	4	0.3 / 6.4	53.27 / 79.28	40	SL010E0401F0800
1c	x	6	0.3 / 7.1	69.7 / 103.72	52	SL010E0601F0800
1c	x	10	0.3 / 7.8	97.86 / 145.64	72	SL010E1001F0800
1c	x	16	0.4 / 9.6	151.04 / 224.77	96	SL010E1601F0800
1c	x	25	0.5 / 11.5	224.13 / 333.55	127	SL010E2501F0800
1c	x	35	0.5 / 12.7	288.19 / 428.88	157	SL010E3501F0800
1c	x	50	0.6 / 14.1	390.63 / 581.32	196	SL010E5001F0800
1c	x	70	0.7 / 16.7	532.82 / 792.93	242	SL010E7001F0800
1c	x	120	0.8 / 20.5	859.43 / 1278.97	339	SL010E12001F0800

*Ampacity value based on ABS Rules for Building and Classing Steel Vessels, Version 2023, Table-6. Values are corrected according to Table 6 for number of Conductors.

**Available in both American Wire Gauge (AWG) and Metric wire conductor sizes