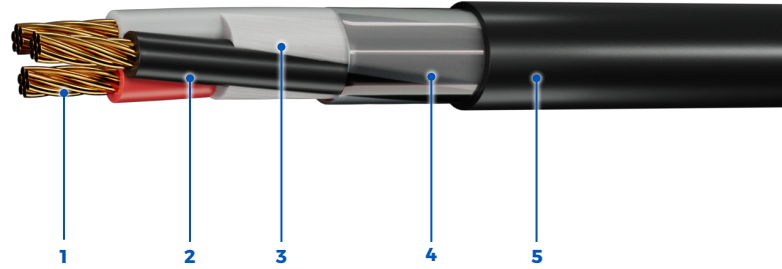


SL-HF 600/1000 V Unarmoured Multi-Conductor (LSZH), HF90/SHF1

SL-HF 600/1000 V unarmoured multicore 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.

Standards:



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

- 4 - Fiberglass Tape
- 5 - Protective LSZH Outer Sheath

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

Shield:

- Aluminum/mylar shield with drain wire or copper tape shielded (optional)

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 60332-3-22, Cat. A (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

Voltage

Colour Coding

Custom colour coding available, inc.

- Per IEEE 1580 Table 23:
 - 2C - Black, White
 - 3C - Black, White, Red
 - 4C - Black, White, Red, Green
 - 5C - Black, White, Red, Green, Orange
 - 6C - Black, White, Red, Green, Orange, Blue
- ≥7C - Base color with tracers

Power and Control

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

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)	
2c	x	1	0.3 / 8.3	65.44 / 97.39	16	SL011E0102F0800
2c	x	1.5	0.4 / 9.2	79.19 / 117.85	20	SL011E3A02F0800
2c	x	2.5	0.4 / 10.1	97.7 / 145.39	26	SL011E5A02F0800
2c	x	4	0.4 / 11.1	124.51 / 185.29	34	SL011E0402F0800
2c	x	6	0.5 / 12.9	167.75 / 249.64	44	SL011E0602F0800
2c	x	10	0.6 / 14.4	233.1 / 346.9	61	SL011E1002F0800
2c	x	16	0.7 / 17.9	356.33 / 530.27	82	SL011E1602F0800
2c	x	25	0.8 / 21.5	525.87 / 782.59	108	SL011E2502F0800
2c	x	35	1 / 24.3	684.57 / 1018.75	133	SL011E3502F0800
2c	x	50	1.1 / 27.3	936.17 / 1393.17	167	SL011E5002F0800
2c	x	70	1.3 / 32.1	1269.82 / 1889.7	206	SL011E7002F0800
2c	x	120	1.6 / 40.1	2062.33 / 3069.08	288	SL011E12002F0800
3c	x	1	0.3 / 8.7	75.21 / 111.92	12	SL011E0103F0800
3c	x	1.5	0.4 / 9.7	92.87 / 138.2	16	SL011E3A03F0800
3c	x	2.5	0.4 / 10.6	117.39 / 174.7	21	SL011E5A03F0800
3c	x	4	0.5 / 12	161.47 / 240.29	28	SL011E0403F0800
3c	x	6	0.5 / 13.6	212.75 / 316.61	36	SL011E0603F0800
3c	x	10	0.6 / 15.5	308.74 / 459.46	50	SL011E1003F0800
3c	x	16	0.8 / 19.2	479.12 / 713	67	SL011E1603F0800
3c	x	25	0.9 / 23	706.52 / 1051.41	89	SL011E2503F0800
3c	x	35	1 / 26	932.72 / 1388.04	110	SL011E3503F0800
3c	x	50	1.2 / 29.3	1274.07 / 1896.03	137	SL011E5003F0800
3c	x	70	1.4 / 34.5	1737.88 / 2586.24	169	SL011E7003F0800
3c	x	120	1.7 / 43	2834.96 / 4218.88	237	SL011E12003F0800
4c	x	1	0.4 / 9.4	85.79 / 127.66	12	SL011E0104F0800
4c	x	1.5	0.4 / 10.5	106.18 / 158.02	16	SL011E3A04F0800
4c	x	2.5	0.5 / 11.8	148.24 / 220.61	21	SL011E5A04F0800
4c	x	4	0.5 / 13	194.76 / 289.84	28	SL011E0404F0800
4c	x	6	0.6 / 14.9	263.13 / 391.57	36	SL011E0604F0800
4c	x	10	0.7 / 16.9	385.66 / 573.93	50	SL011E1004F0800
4c	x	16	0.8 / 21.1	601.25 / 894.75	67	SL011E1604F0800
4c	x	25	1 / 25.3	896.84 / 1334.64	89	SL011E2504F0800
5c	x	1	0.4 / 10.5	102.19 / 152.08	10	SL011E0105F0800
5c	x	1.5	0.5 / 11.6	130.32 / 193.93	13	SL011E3A05F0800
5c	x	2.5	0.5 / 12.7	176.09 / 262.05	17	SL011E5A05F0800
5c	x	4	0.6 / 14.2	233.65 / 347.7	22	SL011E0405F0800
5c	x	6	0.6 / 16.5	320.47 / 476.91	29	SL011E0605F0800
5c	x	10	0.7 / 18.7	476.52 / 709.14	40	SL011E1005F0800
5c	x	16	0.9 / 23.3	745.81 / 1109.88	54	SL011E1605F0800
5c	x	25	1.1 / 28	1113.86 / 1657.6	71	SL011E2505F0800

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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)	
7c	x	1	0.5 / 11.6	129.07 / 192.08	8	SL011E0107F0800
7c	x	1.5	0.5 / 12.5	159.06 / 236.71	11	SL011E3A07F0800
7c	x	2.5	0.5 / 13.8	213.55 / 317.8	15	SL011E5A07F0800
10c	x	1	0.6 / 14.3	176.43 / 262.56	8	SL011E0110F0800
10c	x	1.5	0.6 / 15.8	227.61 / 338.72	11	SL011E3A10F0800
10c	x	2.5	0.7 / 17.5	305.29 / 454.33	15	SL011E5A10F0800
12c	x	1	0.6 / 14.7	195.39 / 290.78	8	SL011E0112F0800
12c	x	1.5	0.6 / 16.3	254.11 / 378.16	11	SL011E3A12F0800
12c	x	2.5	0.7 / 18	344.38 / 512.49	15	SL011E5A12F0800
14c	x	1	1	222.46 / 331.06	8	SL011E0114F0800
14c	x	1.5	0.7 / 17	280.82 / 417.9	11	SL011E3A14F0800
14c	x	2.5	0.8 / 19.2	399.4 / 594.37	15	SL011E5A14F0800
19c	x	1	0.7 / 17.3	277.13 / 412.41	8	SL011E0119F0800
19c	x	1.5	0.8 / 19.1	364.5 / 542.44	11	SL011E3A19F0800
19c	x	2.5	0.8 / 21.3	503.86 / 749.82	15	SL011E5A19F0800
24c	x	1	0.8 / 20.3	359.64 / 535.21	8	SL011E0124F0800
24c	x	1.5	0.9 / 22.4	471.19 / 701.21	11	SL011E3A24F0800
24c	x	2.5	1 / 25	651.27 / 969.19	15	SL011E5A24F0800
27c	x	1	0.8 / 20.7	388.23 / 577.75	7	SL011E0127F0800
27c	x	1.5	0.9 / 22.9	511.09 / 760.58	10	SL011E3A27F0800
27c	x	2.5	1 / 25.8	724.34 / 1077.94	13	SL011E5A27F0800
37c	x	1	0.9 / 23.3	503.62 / 749.47	7	SL011E0137F0800
37c	x	1.5	1 / 25.7	666.5 / 991.86	10	SL011E3A37F0800
37c	x	2.5	1.1 / 29	952.15 / 1416.96	13	SL011E5A37F0800

*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