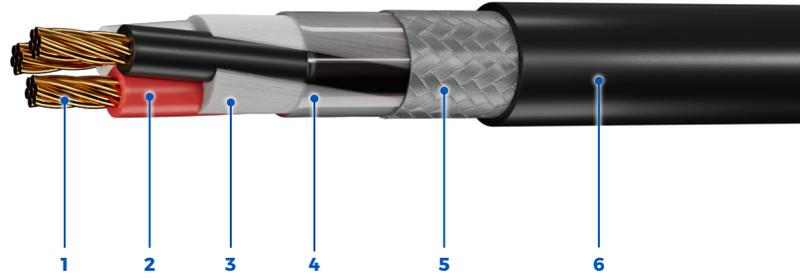


SL-HFA 600/1000 V Armoured Multi-Conductor (LSZH), HF90/SHF1

SL-HFA 600/1000 V armoured 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
- Optional: LSZH Inner Sheath (Not Shown)
- 5 - Tinned-Copper or Bronze Braided Armour
- 6 - 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

Armour:

- Tinned-Copper Braid (Standard)
- Bronze Braid (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-HFA 600/1000 V Armoured 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	0.4 / 9.3	106.12 / 157.92	16	SLC11E0102F0800
2c	x	1.5	0.4 / 10.2	123.99 / 184.51	20	SLC11E3A02F0800
2c	x	2.5	0.5 / 11.5	168.8 / 251.2	26	SLC11E5A02F0800
2c	x	4	0.5 / 12.5	202.7 / 301.66	34	SLC11E0402F0800
2c	x	6	0.6 / 14.3	257.76 / 383.59	44	SLC11E0602F0800
2c	x	10	0.6 / 15.8	332.91 / 495.42	61	SLC11E1002F0800
2c	x	16	0.8 / 19.3	479.6 / 713.72	82	SLC11E1602F0800
2c	x	25	0.9 / 22.9	672.78 / 1001.2	108	SLC11E2502F0800
2c	x	35	1 / 25.7	850.04 / 1265	133	SLC11E3502F0800
2c	x	50	1.1 / 28.7	1121.9 / 1669.56	167	SLC11E5002F0800
3c	x	1	0.4 / 9.7	117.85 / 175.38	12	SLC11E0103F0800
3c	x	1.5	0.4 / 10.7	139.86 / 208.14	16	SLC11E3A03F0800
3c	x	2.5	0.5 / 12	192.08 / 285.84	21	SLC11E5A03F0800
3c	x	4	0.5 / 13.4	245.47 / 365.3	28	SLC11E0403F0800
3c	x	6	0.6 / 15.1	307.67 / 457.87	36	SLC11E0603F0800
3c	x	10	0.7 / 16.9	415.9 / 618.93	50	SLC11E1003F0800
3c	x	16	0.8 / 20.6	611.16 / 909.51	67	SLC11E1603F0800
3c	x	25	1 / 24.4	863.89 / 1285.6	89	SLC11E2503F0800
3c	x	35	1.1 / 27.4	1110.01 / 1651.87	110	SLC11E3503F0800
3c	x	50	1.2 / 30.7	1473.14 / 2192.27	137	SLC11E5003F0800
4c	x	1	0.4 / 10.4	131.73 / 196.03	12	SLC11E0104F0800
4c	x	1.5	0.5 / 11.9	179.94 / 267.78	16	SLC11E3A04F0800
4c	x	2.5	0.5 / 13.2	230.61 / 343.18	21	SLC11E5A04F0800
4c	x	4	0.6 / 14.4	285.69 / 425.15	28	SLC11E0404F0800
4c	x	6	0.7 / 16.5	375.97 / 559.51	36	SLC11E0604F0800
4c	x	10	0.7 / 18.3	502.33 / 747.55	50	SLC11E1004F0800
4c	x	16	0.9 / 22.5	745.45 / 1109.35	67	SLC11E1604F0800
4c	x	25	1.1 / 27	1084.46 / 1613.86	89	SLC11E2504F0800
5c	x	1	0.5 / 11.9	176.27 / 262.32	9.6	SLC11E0105F0800
5c	x	1.5	0.5 / 13	211.55 / 314.82	12.8	SLC11E3A05F0800
5c	x	2.5	0.6 / 14.2	265.07 / 394.47	16.8	SLC11E5A05F0800
5c	x	4	0.6 / 15.6	332.2 / 494.37	22.4	SLC11E0405F0800
5c	x	6	0.7 / 17.9	434.39 / 646.44	28.8	SLC11E0605F0800
5c	x	10	0.8 / 20.2	605.19 / 900.62	40	SLC11E1005F0800
5c	x	16	1 / 24.7	904.86 / 1346.58	53.6	SLC11E1605F0800
5c	x	25	1.2 / 29.4	1304.14 / 1940.78	71.2	SLC11E2505F0800
7c	x	1	0.5 / 13	210.31 / 312.97	8.4	SLC11E0107F0800
7c	x	1.5	0.5 / 13.9	246.37 / 366.64	11.2	SLC11E3A07F0800
7c	x	2.5	0.6 / 15.2	309.47 / 460.54	14.7	SLC11E5A07F0800

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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)	
10c	x	1	0.6 / 15.7	275.9 / 410.58	8.4	SLC11E0110F0800
10c	x	1.5	0.7 / 17.2	336.87 / 501.31	11.2	SLC11E3A10F0800
10c	x	2.5	0.7 / 18.9	426.03 / 634	14.7	SLC11E5A10F0800
12c	x	1	0.6 / 16.1	297.59 / 442.87	8.4	SLC11E0112F0800
12c	x	1.5	0.7 / 17.7	366.41 / 545.28	11.2	SLC11E3A12F0800
12c	x	2.5	0.8 / 19.5	468.59 / 697.34	14.7	SLC11E5A12F0800
14c	x	1	0.7 / 17.1	331.1 / 492.72	8.4	SLC11E0114F0800
14c	x	1.5	0.7 / 18.5	398.38 / 592.85	11.2	SLC11E3A14F0800
14c	x	2.5	0.8 / 20.6	531.16 / 790.45	14.7	SLC11E5A14F0800
19c	x	1	0.7 / 18.7	396.51 / 590.07	8.4	SLC11E0119F0800
19c	x	1.5	0.8 / 20.5	495.55 / 737.47	11.2	SLC11E3A19F0800
19c	x	2.5	0.9 / 22.7	649.26 / 966.21	14.7	SLC11E5A19F0800
24c	x	1	0.9 / 21.7	498.8 / 742.29	8.4	SLC11E0124F0800
24c	x	1.5	0.9 / 23.8	624.34 / 929.12	11.2	SLC11E3A24F0800
24c	x	2.5	1 / 26.4	821.64 / 1222.73	14.7	SLC11E5A24F0800
27c	x	1	0.9 / 22.1	530.12 / 788.91	7.2	SLC11E0127F0800
27c	x	1.5	1 / 24.3	667.28 / 993.01	9.6	SLC11E3A27F0800
27c	x	2.5	1.1 / 27.2	899.87 / 1339.16	12.6	SLC11E5A27F0800
37c	x	1	1 / 24.7	662.85 / 986.42	7.2	SLC11E0137F0800
37c	x	1.5	1.1 / 27.1	841.6 / 1252.43	9.6	SLC11E3A37F0800
37c	x	2.5	1.2 / 30.4	1149.02 / 1709.93	12.6	SLC11E5A37F0800

*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

†Braid available over or under Jacket. Part ends with 00 = jacket and then braid. Part ends with N9 = braid and then jacket