

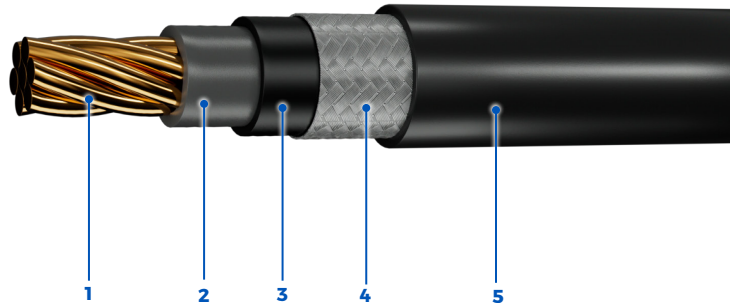
IEC Armoured Single Conductor, HF90/SHF1, (600/1000 V)

Shawflex IEC Armoured Power and Control 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:



Transport
Canada



1 – Stranded Bare or Tinned Class 2 or Class 5 Copper Conductors

2 – Halogen Free HF90 Insulated Conductors

3 – Extruded LSZH Inner Covering

4 – Tinned-Copper or Bronze Braided Armour

5 – Protective LSZH Outer Sheath

Product Construction

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 60332-1-2 (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

Voltage

Colour Coding

- Black conductor (standard)

IEC

Power and Control

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Metric (mm²) Conductors

PART NUMBER	NUMBER OF CONDUCTORS	CROSS SECTION	NOMINAL OD OVERALL CABLE	CABLE WEIGHT	AMPACITY
		(mm²)	(in/mm)	(lbs/1000ft) / (kg/km)	(45°C ambient)
SLC10E3A0100800	1	1.5	0.25 / 6.42	61 / 91	23
SLC10E5A0100800	1	2.5	0.27 / 6.87	73 / 108	30
SLC10E040100800	1	4	0.29 / 7.41	88 / 131	40
SLC10E060100800	1	6	0.32 / 8.07	109 / 162	52
SLC10E100100800	1	10	0.36 / 9.16	147 / 218	72
SLC10E160100800	1	16	0.4 / 10.23	196 / 292	96
SLC10E250100800	1	25	0.48 / 12.25	297 / 442	127

*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.

American Wire Gauge (AWG) Conductors

PART NUMBER	NUMBER OF CONDUCTORS	CROSS SECTION	NOMINAL OD OVERALL CABLE	CABLE WEIGHT	AMPACITY
		(AWG)	(in/mm)	(lbs/1000ft) / (kg/km)	(45°C ambient)
SLC10U160100800	1	16	0.25 / 6.39	60 / 89	23
SLC10U140100800	1	14	0.26 / 6.72	68 / 101	26
SLC10U120100800	1	12	0.28 / 7.18	80 / 119	35
SLC10U100100800	1	10	0.31 / 7.81	99 / 148	47
SLC10U080100800	1	8	0.34 / 8.55	126 / 188	64
SLC10U060100800	1	6	0.38 / 9.74	172 / 256	85
SLC10U040100800	1	4	0.46 / 11.59	261 / 389	114

*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.