

IEC POWER & CONTROL, MULTI-CONDUCTOR (600/1000V) - AWG

ShawFlex IEC 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.

VOLTAGE

600/1000V

PRODUCT CONSTRUCTION

Insulation:

- XLPE (RW90 rated) rated: 90°C wet/dry, IEC 60092-351

Jacket:

- LSZH Thermoplastic, black (standard) rated: 75°C, SHF1 IEC 60092-359

Available in:

- Custom insulation/jacket colours

CERTIFICATION/COMPLIANCES

- IEC 60092-350
- IEC 60754-1
- IEC 61034-1&2
- IEC60228 Class 5
- IEC 60092-353, Control & Power
- IEC 60092-376, Instrumentation
- IEC 60332-3-22, Category A Flame Propagate Testing
- Lloyd's Register
- American Bureau of Shipping
- Transport Canada
- RoHS Compliant
- UV sunlight resistant "SUN RES" (all colours)
- - 40°C cold bend rated
- - 35°C cold impact rated

COLOR CODING

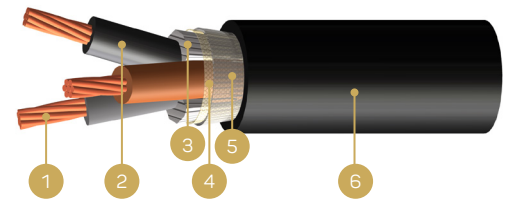
- 2C – Brown, blue
- 3C – Brown, black, grey
- 4C – Brown, black, grey, blue
- 5C & higher– Black # Coded

600/1000V

VOLTAGE

IEC AWG

POWER AND CONTROL



1. High Stranded Bare Copper Conductors (Tinned Available)
2. XLPE (RW90 Rated) Insulated Conductors
3. Polypropylene Fillers
4. Fiberglass Tape
5. Polyester Separator Tape
6. Protective LSZH Jacket

STANDARDS:



PART NUMBER	NUMBER OF PAIRS/TRIADS	CROSS SECTION		NOMINAL OD OVERALL CABLE		CABLE WEIGHT		AMPACITY 45°C ambient
		(mm)	(in/mm)	(in/mm)	(lbs/1000ft) (kg/km)			
SE010U160200800	2	16	9.07 / 0.36		109 / 73		20	
SE010U140200800	2	14	9.73 / 0.38		130 / 87		22	
SE010U120200800	2	12	10.64 / 0.42		165 / 111		30	
SE010U100200800	2	10	12.17 / 0.48		227 / 153		39	
SE010U080200800	2	8	13.64 / 0.54		313 / 210		54	
SE010U060200800	2	6	15.77 / 0.62		440 / 295		73	
SE010U040200800	2	4	18.92 / 0.75		657 / 442		97	
SE010U020200800	2	2	22.12 / 0.87		970 / 652		128	
SE010U010240800	2	1	24.61 / 0.97		1188 / 798		150	
SE010U160300800	3	16	9.53 / 0.38		128 / 86		16	
SE010U140300800	3	14	10.24 / 0.4		156 / 105		19	
SE010U120300800	3	12	11.47 / 0.45		215 / 145		24	
SE010U100300800	3	10	12.84 / 0.51		288 / 193		33	
SE010U080300800	3	8	14.42 / 0.57		405 / 272		44	
SE010U060300800	3	6	16.7 / 0.66		576 / 387		59	
SE010U040300800	3	4	20.06 / 0.79		873 / 586		80	
SE010U020300800	3	2	23.48 / 0.92		1311 / 881		106	
SE010U010340800	3	1	26.41 / 1.04		1636 / 1099		123	
SE010U160400800	4	16	10.32 / 0.41		148 / 99		16	
SE010U140400800	4	14	11.11 / 0.44		190 / 128		19	
SE010U120400800	4	12	12.47 / 0.49		260 / 175		24	
SE010U100400800	4	10	14 / 0.55		359 / 241		33	
SE010U080400800	4	8	16.03 / 0.63		521 / 350		44	
SE010U060400800	4	6	18.55 / 0.73		752 / 506		59	
SE010U040400800	4	4	22.29 / 0.88		1140 / 766		80	
SE010U020400800	4	2	26.09 / 1.03		1706 / 1146		106	
SE010U010440800	4	1	29.35 / 1.16		2128 / 1430		123	
SE010U160500800	5	16	11.2 / 0.44		174 / 117		12.8	
SE010U140500800	5	14	12.35 / 0.49		230 / 154		15.2	
SE010U160700800	7	16	12.37 / 0.49		225 / 151		11.2	
SE010U140700800	7	14	13.36 / 0.53		287 / 193		13.3	
SE010U161000800	10	16	15.67 / 0.62		325 / 218		11.2	
SE010U141000800	10	14	16.99 / 0.67		413 / 277		13.3	
SE010U161200800	12	16	16.13 / 0.63		363 / 244		11.2	
SE010U141200800	12	14	17.5 / 0.69		465 / 313		13.3	

*Ampacity value based on ABS Rules for Building and Classing Steel Vessels, Version 2009, Table-6. Values are corrected according to Table 6 for number of Conductors.

FOR FURTHER INFORMATION, PLEASE CONTACT:

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