



CABLE STRUCTURE

Conductor	Soft annealed flexible stranded tinned copper wire acc. to IEEE 1580 Table 11
Separator	A suitable separator tape may be applied to the conductor (optional for manufacturer)
Insulation	Cross-linked polyolefin compound, in accordance with Type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 No.245.

STANDARDS & MAIN CHARACTERISTICS

Reference Standards	IEEE 1580, UL 1309, CSA C22.2 No.245, IEEE 45
Insulation Material	IEEE 1580, UL 1309, CSA C22.2 No.245
Sheath Material	IEEE 1580, UL 1309, CSA C22.2 No.245
Conductor Material	ASTM B 33
Conductor Resistance	IEEE 1580 Table 11
Flame Propagation	IEEE 1202, IEC 60332-3
Cold Bend (-40)	CSA C22.2
Cold Impact (-35)	CSA C22.2
Temperature Rating IEEE 1580	100°C (Single Core 125°C)
Temperature Rating UL 1309	110°C (Single Core 125°C)

OPERATING CHARACTERISTICS

Rated Voltage	2 kV
Test Voltage	IEEE 1580 Table 19
Min. Bending Radius	
<i>For $D \leq 25$ mm</i>	4 x D
<i>For $D > 25$ mm</i>	6 x D
Current Carrying Capacity	IEEE 45.8

VISUAL AND MARKING

Sheath Color	Black (other colours on request)
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APPLICATION

These cables are intended for use as power cables aboard ship and on off-shore oil rigs. The cables are constructed in accordance with the recommended practice for marine cable for use on fixed or floating facilities, IEEE 1580. Excellent resistance to oil, abrasion petrochem fluids, moisture salty water and sunlight.



FLAME RETARDANT



RATED VOLTAGE



TEST VOLTAGE



MIN. BENDING RADIUS

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RigFlex-125 Type P Power Cable Single Conductor

2kV Unarmoured

CAN*	Cable Type	Cross-Section	Outer Sheath Diameter			Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity 100°C (**) (A)	Current Carrying Capacity 110°C (**) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Nom. (mm)	Max. (mm)					
6416.1	SP-2-2kV	1x18 AWG	3,5	3,8	4,5	23	18	16	17	20,384
6416.2	SP-3-2kV	1x16 AWG	3,7	4,0	4,5	27	18	23	25	15,778
6416.3	SP-4-2kV	1x14 AWG	4,0	4,3	5,0	35	20	37	40	9,996
6416.4	SP-7-2kV	1x12 AWG	4,5	4,8	5,5	48	22	45	48	6,292
6416.5	SP-10-2kV	1x10 AWG	5,2	5,6	6,5	75	26	58	62	3,538
6416.6	SP-17-2kV	1x8 AWG	6,4	6,8	8,0	107	32	72	77	2,46
6416.7	SP-26-2kV	1x6 AWG	7,4	7,9	9,0	160	36	96	103	1,539
6416.8	SP-33-2kV	1x5 AWG	8,4	8,9	10,0	223	40	109	117	1,137
6416.9	SP-42-2kV	1x4 AWG	9,2	9,7	11,0	259	44	128	137	0,902
6416.10	SP-53-2kV	1x3 AWG	10,0	10,5	11,5	318	46	146	156	0,715
6416.11	SP-66-2kV	1x2 AWG	10,5	11,2	12,5	376	50	169	181	0,568
6416.12	SP-84-2kV	1x1 AWG	12,5	13,3	14,5	536	58	194	208	0,412
6416.13	SP-106-2kV	1x1/0 AWG	13,0	14,0	15,5	605	62	227	243	0,363
6416.14	SP-133-2kV	1x2/0 AWG	14,5	15,4	17,0	762	68	262	281	0,284
6416.15	SP-168-2kV	1x3/0 AWG	16,5	17,3	19,0	989	76	300	321	0,206
6416.16	SP-212-2kV	1x4/0 AWG	17,5	18,6	20,0	1179	80	351	376	0,171
6416.17	SP-262-2kV	1x262 kcmil	19,5	20,6	22,5	1.431	90	407	436	0,148
6416.18	SP-313-2kV	1x313 kcmil	21,0	21,9	23,5	1.652	94	455	487	0,123
6416.19	SP-373-2kV	1x373 kcmil	22,5	23,6	25,5	1.947	153	516	553	0,103
6416.20	SP-444-2kV	1x444 kcmil	24,0	25,4	27,5	2.313	165	588	630	0,086
6416.21	SP-535-2kV	1x535 kcmil	27,0	28,3	30,5	2.805	183	630	676	0,072
6416.22	SP-597-2kV	1x597 kcmil	28,0	29,5	31,5	3.099	189	670	678	0,07
6416.23	SP-646-2kV	1x646 kcmil	29,5	30,7	33,0	3.392	198	731	783	0,06
6416.24	SP-777-2kV	1x777 kcmil	31,5	33,1	35,5	4.026	213	822	881	0,05
6416.25	SP-1111-2kV	1x1111 kcmil	38,0	39,8	42,5	5.798	255	1.025	1.098	0,035

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath