



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.
Aarmor	Basket weave bronze or tinned copper wire armour in accordance with IEEE 1580 and 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	6 x D
Current Carrying Capacity	IEEE 45.8

VISUAL AND MARKING

Core Colours	IEEE 1580
1 Core	Black

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 Armoured and Unsheathed

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)					
6419.1	SPT-2-2kV	1x18 AWG	7,2	7,9	9,0	119	54	16	17	20,384
6419.2	SPT-3-2kV	1x16 AWG	7,4	8,1	9,0	125	54	23	25	15,778
6419.3	SPT-4-2kV	1x14 AWG	7,8	8,5	9,5	141	57	37	40	9,996
6419.4	SPT-7-2kV	1x12 AWG	8,2	8,9	10,0	161	60	45	48	6,292
6419.5	SPT-10-2kV	1x10 AWG	9,0	9,7	11,0	200	66	58	62	3,538
6419.6	SPT-17-2kV	1x8 AWG	10,0	11,0	12,0	251	72	72	77	2,46
6419.7	SPT-26-2kV	1x6 AWG	11,0	12,0	13,0	319	78	96	103	1,539
6419.8	SPT-33-2kV	1x5 AWG	12,0	13,0	14,5	402	87	109	117	1,137
6419.9	SPT-42-2kV	1x4 AWG	13,0	13,8	15,0	448	90	128	137	0,902
6419.10	SPT-53-2kV	1x3 AWG	13,5	14,6	16,0	520	96	146	156	0,715
6419.11	SPT-66-2kV	1x2 AWG	15,0	16,2	17,5	622	105	169	181	0,568
6419.12	SPT-84-2kV	1x1 AWG	17,0	18,3	20,0	818	120	194	208	0,412
6419.13	SPT-106-2kV	1x1/0 AWG	18,0	19,1	20,5	899	123	227	243	0,363
6419.14	SPT-133-2kV	1x2/0 AWG	19,0	20,4	22,0	1.083	132	262	281	0,284
6419.15	SPT-168-2kV	1x3/0 AWG	21,0	22,3	24,0	1.343	144	300	321	0,206
6419.16	SPT-212-2kV	1x4/0 AWG	23,0	24,7	26,5	1.616	159	351	376	0,171
6419.17	SPT-262-2kV	1x262 kcmil	25,0	26,7	28,5	1.906	171	407	436	0,148
6419.18	SPT-313-2kV	1x313 kcmil	26,5	28,1	30,0	2.154	180	455	487	0,123
6419.19	SPT-373-2kV	1x373 kcmil	28,0	29,7	32,0	2.481	192	516	553	0,103
6419.20	SPT-444-2kV	1x444 kcmil	29,5	31,5	34,0	2.884	204	588	630	0,086
6419.21	SPT-535-2kV	1x535 kcmil	32,5	34,4	37,0	3.432	222	630	676	0,072
6419.22	SPT-597-2kV	1x597 kcmil	33,5	35,6	38,0	3.752	228	670	678	0,07
6419.23	SPT-646-2kV	1x646 kcmil	35,0	36,8	39,5	4.068	237	731	783	0,06
6419.24	SPT-777-2kV	1x777 kcmil	37,0	39,2	42,0	4.760	252	822	881	0,05
6419.25	SPT-1111-2kV	1x1111 kcmil	45,0	47,4	50,5	6.798	303	1.025	1.098	0,035

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath and tinned copper wire braiding