



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
Separator	A suitable separator tape may be applied (optional for manufacturer)
Sheath	Thermoset chlorinated polyethylene, CPE compound, 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

Sheath Color	Black (other colours on request)
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 Sheathed

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)					
6415.1	SPCPETS-2-2kV	1x18 AWG	7,4	8	9	108	54	16	17	20,384
6415.2	SPCPETS-3-2kV	1x16 AWG	7,6	8,2	9,5	113	57	23	25	15,778
6415.3	SPCPETS-4-2kV	1x14 AWG	7,8	8,6	9,5	124	57	37	40	9,996
6415.4	SPCPETS-7-2kV	1x12 AWG	8,4	9	10	154	60	45	48	6,292
6415.5	SPCPETS-10-2kV	1x10 AWG	9	9,8	11	186	66	58	62	3,538
6415.6	SPCPETS-17-2kV	1x8 AWG	10	11,1	12,5	241	75	72	77	2,46
6415.7	SPCPETS-26-2kV	1x6 AWG	11	12,1	13,5	315	81	96	103	1,539
6415.8	SPCPETS-33-2kV	1x5 AWG	12	13,1	14,5	384	87	109	117	1,137
6415.9	SPCPETS-42-2kV	1x4 AWG	13,5	14,8	16	463	96	128	137	0,902
6415.10	SPCPETS-53-2kV	1x3 AWG	14,5	15,6	17	532	102	146	156	0,715
6415.11	SPCPETS-66-2kV	1x2 AWG	15	16,3	18	604	108	169	181	0,568
6415.12	SPCPETS-84-2kV	1x1 AWG	17	18,5	20	799	120	194	208	0,412
6415.13	SPCPETS-106-2kV	1x1/0 AWG	18	19,2	21	881	126	227	243	0,363
6415.14	SPCPETS-133-2kV	1x2/0 AWG	19	20,5	22	1.066	132	262	281	0,284
6415.15	SPCPETS-168-2kV	1x3/0 AWG	22	23,5	25,5	1.377	153	300	321	0,206
6415.16	SPCPETS-212-2kV	1x4/0 AWG	23,5	24,8	26,5	1.593	159	351	376	0,171
6415.17	SPCPETS-262-2kV	1x262 kcmil	25,5	27,1	29	1.893	174	407	436	0,148
6415.18	SPCPETS-313-2kV	1x313 kcmil	26,5	28,5	30,5	2.145	183	455	487	0,123
6415.19	SPCPETS-373-2kV	1x373 kcmil	28,5	30,1	32	2.468	192	516	553	0,103
6415.20	SPCPETS-444-2kV	1x444 kcmil	30	31,9	34	2.879	204	588	630	0,086
6415.21	SPCPETS-535-2kV	1x535 kcmil	33	34,8	37	3.426	222	630	676	0,072
6415.22	SPCPETS-597-2kV	1x597 kcmil	34	36	38,5	3.742	231	670	678	0,07
6415.23	SPCPETS-646-2kV	1x646 kcmil	35	37,2	39,5	4.057	237	731	783	0,06
6415.24	SPCPETS-777-2kV	1x777 kcmil	37,5	39,6	42,5	4.743	255	822	881	0,05
6415.25	SPCPETS-1111-2kV	1x1111 kcmil	45,5	47,8	51	6.803	306	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