Type P Drilmar® 125-XE Power/Distribution Cable Ampacity

Crosslinked Polyolefin Insulated, Drilling Rig and Marine Cable

CME wire and cable
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Single Conductor
Power Cable Ampacity

Ampacity		
Size AWG/kcmil	100 °C	95 °C
18	16	15
16	23	22
14	37	36
12	45	43
10	58	56
8	72	69
6	96	92
5	109	105
4	128	123
2	169	162
1	194	186
1/0	227	218
2/0	262	252
3/0	300	288
4/0	351	337
262	407	391
313	455	437
373	516	496
444	588	565
535	630	605
646	731	702
777	822	790
1111	1025	985

Ampacities based on IEEE Std. 45-2002, Table 25, single bank per hanger at 45 °C ambient. Ampacities for other ambient and conductor temperature values were calculated per IEEE-835-1994, paragraph 3.4.

Two Conductors
Power Cable Ampacity

Ampacity		
Size AWG/kcmil	100 °C	95 °C
18	14	13
16	19	18
14	31	30
12	40	38
10	49	47
8	64	61
6	85	82
5	101	97
4	110	106
2	149	143
1	174	167
1/0	199	191
2/0	242	232
3/0	265	255
4/0	307	295
262	358	344
313	391	376
373	442	425
444	504	484
535	538	517
646	632	607
777	684	657

Ampacities based on IEEE Std. 45-2002, Table 25, single bank per hanger at 45 °C ambient. Ampacities for other ambient and conductor temperature values were calculated per IEEE-835-1994, paragraph 3.4.

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Technical Data *continued*

Three Conductors

Power Cable Ampacity

Ampacity		
Size AWG/kcmil	100 °C	95 °C
18	12	12
16	16	15
14	25	24
12	31	30
10	41	39
8	52	50
6	70	67
5	82	79
4	92	88
2	122	117
1	143	137
1/0	164	158
2/0	188	181
3/0	218	209
4/0	252	242
262	294	282
313	321	308
373	361	347
444	411	395
535	443	426
646	516	496
777	562	540

Ampacities based on IEEE Std. 45-2002, Table 25, single bank per hanger at 45 °C ambient. Ampacities for other ambient and conductor temperature values were calculated per IEEE-835-1994, paragraph 3.4.

Four or Five Conductors

Power Cable Ampacity

Ampacity		
Size AWG/kcmil	100 °C	95 °C
18	10	9
16	13	12
14	20	19
12	25	24
10	33	32
8	42	40
6	56	54
5	66	63
4	74	71
2	98	94
1	114	110
1/0	131	126
2/0	150	144
3/0	174	168
4/0	202	194
262	235	226
313	257	247
373	289	277
444	329	316
535	354	340
646	413	397
777	450	432

Ampacities based on IEEE Std. 45-2002, Table 25, single bank per hanger at 45 °C ambient. Ampacities for number or conductors were made per Note on IEEE Std. 45-2002 Table 25.

Correction Factors

	100 °C @ 45 °C ambient in single bank per IEEE 45	95 °C @ 45 °C ambient in single bank per IEEE 45
1) Derate fact of for double Bank	0.80	0.80
2) Derate factor for 50 °C ambient	0.95	0.95
3) Derate factor for 55 °C ambient	0.90	0.89
4) Derate factor for 40 °C ambient	1.04	1.05

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