Type P Drilmar® 125-XE Control Cable

Crosslinked Polyolefin Insulated, Drilling Rig and Marine Cable, 600/1000 V

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Features

Engineered for easiest installation. Extra flexible stranding meets IEEE, UL, and CSA requirements.

Maximum conductor operating temperature: 100 °C as Type P per IEEE, and 110°C as Type X110 per UL and CSA. Meets ampacity ratings per ABS, DNV, LRS, and TCMS.

DRILMAR® XLPO Insulation:

- Superior oil and chemical resistance.
- Sunlight resistant.
- Rated at 125 °C.
- Passes Cold Bend at -55 °C.

Heavy Duty CP Jacket:

- Arctic Type XE design.
- Abrasion and sunlight resistant.
- Rated at 90 °C.

Completed cable offers superior flame resistance meeting:

- 70,000 Btu Flame Tests IEEE 1202/FT4, IEEE 383, UL 1685, ICEA T-30-820, and IEC 332 Category A.
- 210,000 Btu Flame Test ICEA T-29-520.

Arctic Type design meets Cold Bend and Impact Tests at -40 °C, exceeding the Transport Canada Marine Safety requirements.

Application

DRILMAR® 125-XE cables are specifically designed for the installation and use in marine environments, for use on offshore drilling rigs, aboard marine vessels, and on fixed and floating offshore facilities where harsh marine environments exist. These cables are used in control, indicating, communication, electronic and similar circuits where multiple conductor cables are required.

Typical applications include:

Driller's console, fire and gas detection systems, bilge and ballast controls and general alarm systems.

Standards

IEEE 1580

Recommended Practice for Marine Cable for Use on Shipboard and Fixed and Floating Platforms.

IEEE 45

Recommended Practice for Electrical Installations on Shipboard Cable.

UL 1309

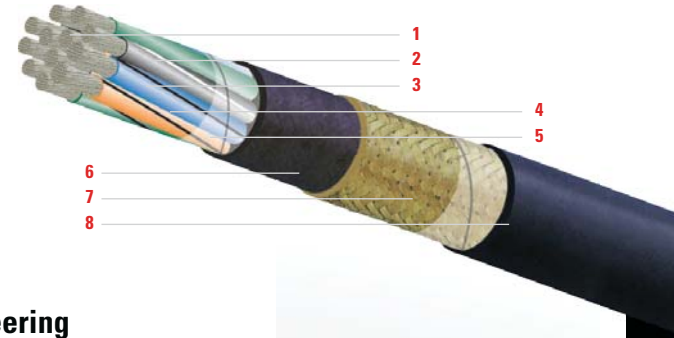
Marine Shipboard Cable.

CSA C22.2 No. 245

Marine Shipboard Cable.

Approvals

- UL and CSA, as Type P.
- UL and CSA, as Type X110.
- ABS, American Bureau of Shipping.
- DNV, Det Norske Veritas
- LRS, Lloyd's Register of Shipping.
- United States Coast Guard.
- TCMS, Transport Canada Marine Safey.



Engineering Information

1. Conductor: Soft annealed flexible Tin Coated Copper per IEEE, UL, and CSA.

Sizes: 20 AWG up to 10 AWG.

2. Separator Tape: Polyester tape as required.

3. Insulation: Flame retardant and sunlight resistant Crosslinked Polyolefin (XLPO) per IEEE. Also meets and exceeds the requirements of UL and CSA for Type X110. DRILMAR® 125-XE is a 125 °C XLPO.

4. Identification: Color coded insulation per IEEE, UL and CSA.

5. Assembly: Conductors cabled round with moisture and flame retardant fillers, as required and binder tape.

6. Jacket: Flame retardant and sunlight resistant Arctic Type Chlorinated Polyethylene (CPE) per IEEE, UL and CSA.

7. Armor (optional): Standard - Bronze.

Optional - Aluminum or Tinned Copper Braid per IEEE, UL and CSA.

8. Overall Sheath (optional): Flame retardant and sunlight resistant Arctic Type Chlorinated Polyethylene (CPE) per IEEE, UL, and CSA. **Note:** Overall Jacket is optional for Bronze armor only, Tinned Copper armor and Aluminum armor require the use of outer jacket.

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Technical Data

Type P Control Cable, 20 AWG-10 Strands, 600/1000 V

Conductor	Unarmored							Armored				
										Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Nominal OD		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km	in	mm		lb/kft	kg/km
2	45	1.22	0.34	8.7	DC20PCPE-2	50	74	0.39	10.0	DC20PCPEB-2	107	160
3	45	1.22	0.36	9.1	DC20PCPE-3	59	87	0.41	10.4	DC20PCPEB-3	118	176
4	45	1.22	0.38	9.7	DC20PCPE-4	69	103	0.44	11.1	DC20PCPEB-4	133	198
5	45	1.22	0.41	10.5	DC20PCPE-5	79	118	0.47	11.8	DC20PCPEB-5	147	219
6	45	1.22	0.44	11.3	DC20PCPE-6	90	135	0.50	12.6	DC20PCPEB-6	164	244
7	45	1.22	0.44	11.3	DC20PCPE-7	96	142	0.50	12.6	DC20PCPEB-7	169	251
8	45	1.22	0.51	12.9	DC20PCPE-8	115	171	0.56	14.2	DC20PCPEB-8	198	295
9	60	1.22	0.54	13.7	DC20PCPE-9	128	191	0.59	15.0	DC20PCPEB-9	216	322
10	60	1.60	0.58	14.6	DC20PCPE-10	147	219	0.63	16.0	DC20PCPEB-10	241	359
12	60	1.60	0.59	15.0	DC20PCPE-12	165	245	0.64	16.4	DC20PCPEB-12	261	389
14	60	1.60	0.62	15.7	DC20PCPE-14	184	274	0.67	17.0	DC20PCPEB-14	285	424
16	60	1.60	0.65	16.5	DC20PCPE-16	205	306	0.70	17.8	DC20PCPEB-16	311	462
18	60	1.60	0.68	17.2	DC20PCPE-18	225	335	0.73	18.5	DC20PCPEB-18	335	498
19	60	1.60	0.68	17.2	DC20PCPE-19	231	343	0.73	18.5	DC20PCPEB-19	341	507
20	60	1.60	0.71	18.0	DC20PCPE-20	246	366	0.76	19.3	DC20PCPEB-20	361	537
22	60	1.60	0.74	18.8	DC20PCPE-22	268	398	0.79	20.2	DC20PCPEB-22	387	576
24	60	1.60	0.77	19.7	DC20PCPE-24	290	431	0.83	21.0	DC20PCPEB-24	414	617
30	60	1.60	0.82	20.9	DC20PCPE-30	336	500	0.88	22.2	DC20PCPEB-30	468	697
37	80	2.13	0.93	23.5	DC20PCPE-37	437	650	0.98	24.8	DC20PCPEB-37	585	871
44	80	2.13	1.02	25.9	DC20PCPE-44	517	770	1.07	27.3	DC20PCPEB-44	681	1013
45	80	2.13	1.02	25.9	DC20PCPE-45	523	779	1.07	27.3	DC20PCPEB-45	687	1022

Conductor	Armored and Sheathed									
					Aluminum			Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km		lb/kft	kg/km
2	45	1.2	0.53	13.5	DC20PCPEAS-2	117	173	DC20PCPEBS-2	156	233
3	60	1.6	0.58	14.7	DC20PCPEAS-3	145	216	DC20PCPEBS-3	187	278
4	60	1.6	0.60	15.3	DC20PCPEAS-4	161	240	DC20PCPEBS-4	205	306
5	60	1.6	0.63	16.1	DC20PCPEAS-5	178	263	DC20PCPEBS-5	224	334
6	60	1.6	0.66	16.9	DC20PCPEAS-6	194	289	DC20PCPEBS-6	245	364
7	60	1.6	0.66	16.9	DC20PCPEAS-7	200	297	DC20PCPEBS-7	251	373
8	60	1.6	0.73	18.5	DC20PCPEAS-8	231	344	DC20PCPEBS-8	289	430
9	60	1.6	0.76	19.3	DC20PCPEAS-9	250	373	DC20PCPEBS-9	311	464
10	60	1.6	0.80	20.2	DC20PCPEAS-10	276	411	DC20PCPEBS-10	341	508
12	60	1.6	0.81	20.6	DC20PCPEAS-12	297	442	DC20PCPEBS-12	363	541
14	60	1.6	0.84	21.3	DC20PCPEAS-14	321	478	DC20PCPEBS-14	391	581
16	80	2.1	0.91	23.2	DC20PCPEAS-16	385	573	DC20PCPEBS-16	458	681
18	80	2.1	0.94	23.9	DC20PCPEAS-18	412	613	DC20PCPEBS-18	488	727
19	80	2.1	0.94	23.9	DC20PCPEAS-19	418	622	DC20PCPEBS-19	494	735
20	80	2.1	0.97	24.7	DC20PCPEAS-20	440	655	DC20PCPEBS-20	520	773
22	80	2.1	1.01	25.5	DC20PCPEAS-22	469	699	DC20PCPEBS-22	552	822
24	80	2.1	1.04	26.4	DC20PCPEAS-24	499	742	DC20PCPEBS-24	585	871
30	80	2.1	1.09	27.6	DC20PCPEAS-30	556	828	DC20PCPEBS-30	648	965
37	80	2.1	1.19	30.2	DC20PCPEAS-37	681	1013	DC20PCPEBS-37	784	1166
44	80	2.1	1.29	32.7	DC20PCPEAS-44	783	1165	DC20PCPEBS-44	896	1334
45	80	2.1	1.29	32.7	DC20PCPEAS-45	789	1174	DC20PCPEBS-45	902	1343

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.
Note: Part number codes PCP or PCPE use the same Chlorinated Polyethylene Compounds (CPE)

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Technical Data *continued*

Type P Control Cable, 18 AWG-16 Strands, 600/1000 V

Conductor	Unarmored							Armored					
										Bronze			
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Nominal OD		Part Number	Net Weight		
	mils	mm	in	mm		lb/kft	kg/km	in	mm		lb/kft	kg/km	
2	45	1.22	0.36	9.2	DC18PCPE-2	58	87	0.41	10.5	DC18PCPEB-2	119	177	
3	45	1.22	0.38	9.6	DC18PCPE-3	70	104	0.43	11.0	DC18PCPEB-3	133	198	
4	45	1.22	0.41	10.4	DC18PCPE-4	83	124	0.46	11.7	DC18PCPEB-4	151	225	
5	45	1.22	0.44	11.2	DC18PCPE-5	96	142	0.49	12.5	DC18PCPEB-5	169	251	
6	45	1.22	0.47	12.0	DC18PCPE-6	110	164	0.53	13.4	DC18PCPEB-6	188	280	
7	45	1.22	0.47	12.0	DC18PCPE-7	118	175	0.53	13.4	DC18PCPEB-7	196	291	
8	60	1.60	0.58	14.6	DC18PCPE-8	159	236	0.63	16.0	DC18PCPEB-8	252	376	
9	60	1.60	0.61	15.5	DC18PCPE-9	176	262	0.66	16.9	DC18PCPEB-9	276	410	
10	60	1.60	0.62	15.7	DC18PCPE-10	180	267	0.67	17.0	DC18PCPEB-10	280	417	
12	60	1.60	0.64	16.1	DC18PCPE-12	203	302	0.69	17.5	DC18PCPEB-12	306	455	
14	60	1.60	0.66	16.9	DC18PCPE-14	228	339	0.72	18.2	DC18PCPEB-14	335	499	
16	60	1.60	0.70	17.7	DC18PCPE-16	255	380	0.75	19.0	DC18PCPEB-16	368	547	
18	60	1.60	0.73	18.5	DC18PCPE-18	280	417	0.78	19.9	DC18PCPEB-18	398	593	
19	60	1.60	0.73	18.5	DC18PCPE-19	288	429	0.78	19.9	DC18PCPEB-19	406	605	
20	60	1.60	0.76	19.4	DC18PCPE-20	307	457	0.82	20.7	DC18PCPEB-20	431	641	
22	60	1.60	0.80	20.3	DC18PCPE-22	335	499	0.85	21.6	DC18PCPEB-22	464	691	
24	80	1.60	0.84	21.2	DC18PCPE-24	363	541	0.89	22.6	DC18PCPEB-24	498	741	
30	80	2.13	0.93	23.7	DC18PCPE-30	464	691	0.99	25.0	DC18PCPEB-30	614	913	
37	80	2.13	1.00	25.4	DC18PCPE-37	548	816	1.05	26.7	DC18PCPEB-37	708	1054	
44	80	2.13	1.10	28.1	DC18PCPE-44	651	969	1.16	29.4	DC18PCPEB-44	828	1231	
45	80	2.13	1.10	28.1	DC18PCPE-45	659	981	1.16	29.4	DC18PCPEB-45	836	1244	

Conductor	Armored and Sheathed									
					Aluminum			Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km		lb/kft	kg/km
2	60	1.6	0.58	14.8	DC18PCPEAS-2	145	216	DC18PCPEBS-2	187	278
3	60	1.6	0.60	15.2	DC18PCPEAS-3	160	238	DC18PCPEBS-3	204	304
4	60	1.6	0.63	16.0	DC18PCPEAS-4	179	267	DC18PCPEBS-4	226	337
5	60	1.6	0.66	16.8	DC18PCPEAS-5	198	295	DC18PCPEBS-5	249	370
6	60	1.6	0.69	17.6	DC18PCPEAS-6	220	327	DC18PCPEBS-6	274	407
7	60	1.6	0.69	17.6	DC18PCPEAS-7	228	339	DC18PCPEBS-7	282	419
8	60	1.6	0.80	20.2	DC18PCPEAS-8	287	428	DC18PCPEBS-8	352	524
9	60	1.6	0.83	21.1	DC18PCPEAS-9	312	464	DC18PCPEBS-9	381	567
10	60	1.6	0.84	21.3	DC18PCPEAS-10	316	471	DC18PCPEBS-10	386	574
12	80	1.6	0.86	21.7	DC18PCPEAS-12	343	510	DC18PCPEBS-12	414	617
14	80	2.1	0.93	23.6	DC18PCPEAS-14	412	613	DC18PCPEBS-14	486	724
16	80	2.1	0.96	24.4	DC18PCPEAS-16	446	663	DC18PCPEBS-16	524	779
18	80	2.1	0.99	25.3	DC18PCPEAS-18	479	713	DC18PCPEBS-18	561	835
19	80	2.1	0.99	25.3	DC18PCPEAS-19	488	726	DC18PCPEBS-19	569	847
20	80	2.1	1.03	26.1	DC18PCPEAS-20	514	765	DC18PCPEBS-20	599	892
22	80	2.1	1.06	27.0	DC18PCPEAS-22	550	819	DC18PCPEBS-22	640	952
24	80	2.1	1.10	27.9	DC18PCPEAS-24	587	873	DC18PCPEBS-24	680	1012
30	80	2.1	1.20	30.4	DC18PCPEAS-30	710	1056	DC18PCPEBS-30	813	1210
37	80	2.1	1.26	32.1	DC18PCPEAS-37	809	1204	DC18PCPEBS-37	920	1369
44	80	2.1	1.37	34.8	DC18PCPEAS-44	936	1393	DC18PCPEBS-44	1058	1575
45	80	2.1	1.37	34.8	DC18PCPEAS-45	944	1405	DC18PCPEBS-45	1066	1587

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.
Note: Part number codes PCP or PCPE use the same Chlorinated Polyethylene Compounds (CPE)

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Technical Data *continued*

Type P Control Cable, 16 AWG-26 Strands, 600/1000 V

Conductor	1.60Unarmored							Armored				
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
										Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km	in	mm		lb/kft	kg/km
2	45	1.22	0.39	9.9	DC16PCPE-2	71	105	0.44	11.2	DC16PCPEB-2	136	202
3	45	1.22	0.41	10.4	DC16PCPE-3	86	129	0.46	11.7	DC16PCPEB-3	154	230
4	45	1.22	0.44	11.2	DC16PCPE-4	105	156	0.49	12.5	DC16PCPEB-4	178	265
5	45	1.22	0.48	12.1	DC16PCPE-5	121	180	0.53	13.5	DC16PCPEB-5	199	297
6	45	1.22	0.51	13.1	DC16PCPE-6	140	209	0.57	14.4	DC16PCPEB-6	225	335
7	45	1.22	0.51	13.1	DC16PCPE-7	151	225	0.57	14.4	DC16PCPEB-7	236	350
8	60	1.60	0.62	15.8	DC16PCPE-8	200	298	0.68	17.2	DC16PCPEB-8	302	449
9	60	1.60	0.66	16.9	DC16PCPE-9	223	332	0.72	18.2	DC16PCPEB-9	331	493
10	60	1.60	0.67	17.1	DC16PCPE-10	229	341	0.72	18.4	DC16PCPEB-10	338	503
12	60	1.60	0.69	17.6	DC16PCPE-12	261	388	0.74	18.9	DC16PCPEB-12	373	555
14	60	1.60	0.72	18.4	DC16PCPE-14	296	438	0.78	19.7	DC16PCPEB-14	411	612
16	60	1.60	0.76	19.3	DC16PCPE-16	331	493	0.81	20.7	DC16PCPEB-16	454	676
18	60	1.60	0.80	20.3	DC16PCPE-18	366	544	0.85	21.6	DC16PCPEB-18	494	735
19	60	1.60	0.80	20.3	DC16PCPE-19	377	561	0.85	21.6	DC16PCPEB-19	506	753
20	60	1.60	0.84	21.2	DC16PCPE-20	402	598	0.89	22.6	DC16PCPEB-20	537	798
22	80	2.13	0.92	23.4	DC16PCPE-22	478	711	0.97	24.7	DC16PCPEB-22	625	930
24	80	2.13	0.96	24.4	DC16PCPE-24	517	770	1.01	25.7	DC16PCPEB-24	671	998
30	80	2.13	1.02	25.9	DC16PCPE-30	605	901	1.07	27.2	DC16PCPEB-30	769	1144
37	80	2.13	1.09	27.8	DC16PCPE-37	721	1072	1.15	29.1	DC16PCPEB-37	895	1332
44	80	2.13	1.21	30.8	DC16PCPE-44	858	1276	1.26	32.1	DC16PCPEB-44	1051	1563
45	80	2.13	1.21	30.8	DC16PCPE-45	869	1294	1.26	32.1	DC16PCPEB-45	1062	1581

Conductor	Armored and Sheathed									
Number of Conductors	Jacket Thickness		Nominal OD		Aluminum			Bronze		
					Part Number	Net Weight		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km		lb/kft	kg/km
2	60	1.6	0.61	15.5	DC16PCPEAS-2	162	241	DC16PCPEBS-2	207	307
3	60	1.6	0.63	16.0	DC16PCPEAS-3	182	270	DC16PCPEBS-3	229	340
4	60	1.6	1.66	16.8	DC16PCPEAS-4	206	307	DC16PCPEBS-4	257	382
5	60	1.6	0.70	17.7	DC16PCPEAS-5	230	343	DC16PCPEBS-5	285	424
6	60	1.6	0.74	18.7	DC16PCPEAS-6	257	383	DC16PCPEBS-6	316	470
7	60	1.6	0.74	18.7	DC16PCPEAS-7	269	400	DC16PCPEBS-7	327	487
8	60	1.6	0.84	21.4	DC16PCPEAS-8	338	503	DC16PCPEBS-8	408	608
9	80	2.1	0.93	23.6	DC16PCPEAS-9	407	606	DC16PCPEBS-9	482	717
10	80	2.1	0.94	23.8	DC16PCPEAS-10	415	617	DC16PCPEBS-10	490	730
12	80	2.1	0.96	24.3	DC16PCPEAS-12	451	671	DC16PCPEBS-12	529	787
14	80	2.1	0.99	25.1	DC16PCPEAS-14	492	732	DC16PCPEBS-14	573	853
16	80	2.1	1.02	26.0	DC16PCPEAS-16	536	798	DC16PCPEBS-16	621	924
18	80	2.1	1.06	27.0	DC16PCPEAS-18	580	863	DC16PCPEBS-18	669	996
19	80	2.1	1.06	27.0	DC16PCPEAS-19	592	881	DC16PCPEBS-19	681	1013
20	80	2.1	1.10	27.9	DC16PCPEAS-20	625	931	DC16PCPEBS-20	718	1069
22	80	2.1	1.18	30.1	DC16PCPEAS-22	720	1072	DC16PCPEBS-22	822	1224
24	80	2.1	1.22	31.1	DC16PCPEAS-24	769	1144	DC16PCPEBS-24	875	1303
30	80	2.1	1.28	32.6	DC16PCPEAS-30	871	1296	DC16PCPEBS-30	984	1464
37	80	2.1	1.36	34.5	DC16PCPEAS-37	1003	1492	DC16PCPEBS-37	1124	4672
44	80	2.1	1.48	37.5	DC16PCPEAS-44	1167	1736	DC16PCPEBS-44	1301	1936
45	80	2.1	1.48	37.5	DC16PCPEAS-45	1179	1754	DC16PCPEBS-45	1312	1953

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.
Note: Part number codes PCP or PCPE use the same Chlorinated Polyethylene Compounds (CPE)

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Technical Data *continued*

Type P Control Cable, 14 AWG-41 Strands, 600/1000 V

Conductor	Unarmored							Armored				
										Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Nominal OD		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km	in	mm		lb/kft	kg/km
2	45	1.22	0.42	10.7	DC14PCPE-2	87	130	0.47	12.0	DC14PCPEB-2	157	234
3	45	1.22	0.44	11.2	DC14PCPE-3	109	162	0.49	12.5	DC14PCPEB-3	182	271
4	45	1.22	0.48	12.2	DC14PCPE-4	134	200	0.53	13.5	DC14PCPEB-4	213	317
5	45	1.22	0.52	13.2	DC14PCPE-5	156	232	0.57	14.5	DC14PCPEB-5	241	359
6	60	1.60	0.59	15.1	DC14PCPE-6	200	298	0.65	16.4	DC14PCPEB-6	297	441
7	60	1.60	0.59	15.1	DC14PCPE-7	216	321	0.65	16.4	DC14PCPEB-7	312	464
8	60	1.60	0.68	17.3	DC14PCPE-8	258	383	0.73	18.6	DC14PCPEB-8	368	547
9	60	1.60	0.73	18.4	DC14PCPE-9	288	429	0.78	19.8	DC14PCPEB-9	405	603
10	60	1.60	0.73	18.6	DC14PCPE-10	297	443	0.79	20.0	DC14PCPEB-10	416	619
12	60	1.60	0.76	19.2	DC14PCPE-12	342	508	0.81	20.5	DC14PCPEB-12	464	690
14	60	1.60	0.79	20.1	DC14PCPE-14	388	577	0.85	21.5	DC14PCPEB-14	516	767
16	60	1.60	0.83	21.2	DC14PCPE-16	438	652	0.89	22.5	DC14PCPEB-16	572	851
18	80	2.13	0.92	23.4	DC14PCPE-18	523	778	0.97	24.7	DC14PCPEB-18	670	998
19	80	2.13	0.92	23.4	DC14PCPE-19	540	804	0.97	24.7	DC14PCPEB-19	688	1023
20	80	2.13	0.96	24.4	DC14PCPE-20	574	855	1.01	25.8	DC14PCPEB-20	729	1084
22	80	2.13	1.01	25.6	DC14PCPE-22	627	933	1.06	26.9	DC14PCPEB-22	788	1173
24	80	2.13	1.05	26.7	DC14PCPE-24	680	1012	1.11	28.1	DC14PCPEB-24	848	1263
30	80	2.13	1.12	28.4	DC14PCPE-30	803	1195	1.17	29.7	DC14PCPEB-30	982	1461
37	80	2.13	1.20	30.5	DC14PCPE-37	962	1431	1.26	31.9	DC14PCPEB-37	1153	1717
44	80	2.13	1.34	33.9	DC14PCPE-44	1147	1706	1.39	35.3	DC14PCPEB-44	1359	2022
45	80	2.13	1.34	33.9	DC14PCPE-45	1164	1732	1.39	35.3	DC14PCPEB-45	1376	2048

Conductor	Armored and Sheathed									
					Aluminum			Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km		lb/kft	kg/km
2	60	1.6	0.64	16.3	DC14PCPEAS-2	183	273	DC14PCPEBS-2	232	345
3	60	1.6	0.66	16.8	DC14PCPEAS-3	210	312	DC14PCPEBS-3	261	388
4	60	1.6	0.70	17.8	DC14PCPEAS-4	242	360	DC14PCPEBS-4	296	441
5	60	1.6	0.74	18.8	DC14PCPEAS-5	273	406	DC14PCPEBS-5	332	494
6	60	1.6	0.81	20.7	DC14PCPEAS-6	331	493	DC14PCPEBS-6	398	592
7	60	1.6	0.81	20.7	DC14PCPEAS-7	348	517	DC14PCPEBS-7	415	617
8	80	2.1	0.94	24.0	DC14PCPEAS-8	445	663	DC14PCPEBS-8	522	776
9	80	2.1	0.99	25.1	DC14PCPEAS-9	486	724	DC14PCPEBS-9	568	845
10	80	2.1	1.00	25.4	DC14PCPEAS-10	498	740	DC14PCPEBS-10	580	863
12	80	2.1	1.02	25.9	DC14PCPEAS-12	547	814	DC14PCPEBS-12	631	939
14	80	2.1	1.06	26.8	DC14PCPEAS-14	601	895	DC14PCPEBS-14	690	1027
16	80	2.1	1.10	27.9	DC14PCPEAS-16	659	981	DC14PCPEBS-16	752	1119
18	80	2.1	1.18	30.1	DC14PCPEAS-18	765	1139	DC14PCPEBS-18	868	1291
19	80	2.1	1.18	30.1	DC14PCPEAS-19	782	1164	DC14PCPEBS-19	885	1317
20	80	2.1	1.23	31.1	DC14PCPEAS-20	827	1230	DC14PCPEBS-20	934	1389
22	80	2.1	1.27	32.3	DC14PCPEAS-22	889	1324	DC14PCPEBS-22	1001	1490
24	80	2.1	1.32	33.4	DC14PCPEAS-24	953	1418	DC14PCPEBS-24	1070	1592
30	80	2.1	1.38	35.1	DC14PCPEAS-30	1091	1624	DC14PCPEBS-30	1215	1808
37	80	2.1	1.47	37.2	DC14PCPEAS-37	1269	1888	DC14PCPEBS-37	1402	2086
44	80	2.1	1.60	40.6	DC14PCPEAS-44	1484	2209	DC14PCPEBS-44	1631	2428
45	80	2.1	1.60	40.6	DC14PCPEAS-45	1501	2234	DC14PCPEBS-45	1648	2453

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.
Note: Part number codes PCP or PCPE use the same Chlorinated Polyethylene Compounds (CPE)

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Technical Data *continued*

Type P Control Cable, 12 AWG-65 Strands, 600/1000 V

Conductor	Unarmored							Armored				
										Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Nominal OD		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km	in	mm		lb/kft	kg/km
2	45	1.22	0.46	11.7	DC12PCPE-2	112	167	0.51	13.0	DC12PCPEB-2	188	280
3	45	1.22	0.48	12.3	DC12PCPE-3	143	213	0.54	13.6	DC12PCPEB-3	223	331
4	45	1.22	0.53	13.4	DC12PCPE-4	178	265	0.58	14.7	DC12PCPEB-4	264	393
5	60	1.60	0.60	15.3	DC12PCPE-5	227	338	0.66	16.7	DC12PCPEB-5	325	484
6	60	1.60	0.65	16.6	DC12PCPE-6	265	394	0.70	17.9	DC12PCPEB-6	371	552
7	60	1.60	0.65	16.6	DC12PCPE-7	288	429	0.70	17.9	DC12PCPEB-7	394	586
8	60	1.60	0.75	19.1	DC12PCPE-8	344	512	0.80	20.4	DC12PCPEB-8	465	692
9	60	1.60	0.80	20.4	DC12PCPE-9	386	574	0.86	21.7	DC12PCPEB-9	515	767
10	60	1.60	0.81	20.7	DC12PCPE-10	401	597	0.87	22.0	DC12PCPEB-10	532	791
12	60	1.60	0.84	21.3	DC12PCPE-12	464	691	0.89	22.6	DC12PCPEB-12	599	891
14	80	2.13	0.92	23.5	DC12PCPE-14	568	845	0.98	24.8	DC12PCPEB-14	716	1066
16	80	2.13	0.97	24.6	DC12PCPE-16	640	953	1.02	26.0	DC12PCPEB-16	796	1184
18	80	2.13	1.02	25.9	DC12PCPE-18	708	1054	1.07	27.2	DC12PCPEB-18	871	1296
19	80	2.13	1.02	25.9	DC12PCPE-19	734	1092	1.07	27.2	DC12PCPEB-19	896	1334
20	80	2.13	1.07	27.1	DC12PCPE-20	780	1161	1.12	28.4	DC12PCPEB-20	951	1415
22	80	2.13	1.12	28.4	DC12PCPE-22	853	1270	1.17	29.7	DC12PCPEB-22	1032	1535
24	80	2.13	1.17	29.7	DC12PCPE-24	927	1380	1.22	31.0	DC12PCPEB-24	1114	1658
30	80	2.13	1.25	31.6	DC12PCPE-30	1104	1643	1.30	33.0	DC12PCPEB-30	1302	1938
37	80	2.13	1.34	34.1	DC12PCPE-37	1329	1978	1.39	35.4	DC12PCPEB-37	1542	2295
44	80	2.13	1.49	37.9	DC12PCPE-44	1587	2362	1.55	39.2	DC12PCPEB-44	1824	2714
45	80	2.13	1.49	37.9	DC12PCPE-45	1612	2399	1.55	39.2	DC12PCPEB-45	1849	2752

Conductor	Armored and Sheathed									
					Aluminum			Bronze		
Number of Conductors	Jacket Thickness		Nominal OD		Part Number	Net Weight		Part Number	Net Weight	
	mils	mm	in	mm		lb/kft	kg/km		lb/kft	kg/km
2	60	1.6	0.68	17.3	DC12PCPEAS-2	215	319	DC12PCPEBS-2	267	398
3	60	1.6	0.71	17.9	DC12PCPEAS-3	251	373	DC12PCPEBS-3	306	455
4	60	1.6	0.75	19.0	DC12PCPEAS-4	294	437	DC12PCPEBS-4	353	526
5	60	1.6	0.82	20.9	DC12PCPEAS-5	359	535	DC12PCPEBS-5	427	636
6	80	2.1	0.92	23.3	DC12PCPEAS-6	445	662	DC12PCPEBS-6	518	771
7	80	2.1	0.92	23.3	DC12PCPEAS-7	470	699	DC12PCPEBS-7	543	808
8	80	2.1	1.02	25.8	DC12PCPEAS-8	548	816	DC12PCPEBS-8	632	941
9	80	2.1	1.07	27.1	DC12PCPEAS-9	602	896	DC12PCPEBS-9	692	1029
10	80	2.1	1.08	27.4	DC12PCPEAS-10	619	921	DC12PCPEBS-10	710	1056
12	80	2.1	1.10	28.0	DC12PCPEAS-12	688	1024	DC12PCPEBS-12	781	1163
14	80	2.1	1.19	30.2	DC12PCPEAS-14	811	1208	DC12PCPEBS-14	914	1360
16	80	2.1	1.23	31.4	DC12PCPEAS-16	892	1328	DC12PCPEBS-16	1000	1488
18	80	2.1	1.28	32.6	DC12PCPEAS-18	973	1448	DC12PCPEBS-18	1086	1616
19	80	2.1	1.28	32.6	DC12PCPEAS-19	999	1486	DC12PCPEBS-19	1111	1654
20	80	2.1	1.33	33.8	DC12PCPEAS-20	1056	1572	DC12PCPEBS-20	1175	1748
22	80	2.1	1.38	35.1	DC12PCPEAS-22	1141	1698	DC12PCPEBS-22	1265	1882
24	80	2.1	1.43	36.4	DC12PCPEAS-24	1227	1826	DC12PCPEBS-24	1356	2018
30	80	2.1	1.51	38.4	DC12PCPEAS-30	1421	2115	DC12PCPEBS-30	1559	2319
37	80	2.1	1.60	40.8	DC12PCPEAS-37	1668	2482	DC12PCPEBS-37	1816	2702
44	110	2.9	1.82	46.3	DC12PCPEAS-44	2073	3086	DC12PCPEBS-44	2238	3330
45	110	2.9	1.82	46.3	DC12PCPEAS-45	2099	3123	DC12PCPEBS-45	2263	3367

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.
Ampacities: Refer to beginning of section.
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Technical Data *continued*

Type P Control Cable, 10 AWG-105 Strands, 600/1000 V

Conductor	Unarmored							Armored					
	Jacket Thickness		Nominal OD			Net Weight		Nominal OD		Bronze			
Number of Conductors	mils	mm	in	mm	Part Number	lb/kft	kg/km	in	mm	Part Number	Net Weight lb/kft	Net Weight kg/km	
2	45	1.22	0.52	13.3	DC10PCPE-2	153	227	0.57	14.6	DC10PCPEB-2	238	355	
3	60	1.60	0.58	14.8	DC10PCPE-3	216	321	0.64	16.2	DC10PCPEB-3	311	463	
4	60	1.60	0.63	16.1	DC10PCPE-4	269	401	0.69	17.4	DC10PCPEB-4	372	554	
5	60	1.60	0.69	17.5	DC10PCPE-5	316	471	0.74	18.8	DC10PCPEB-5	428	637	
6	60	1.60	0.75	18.9	DC10PCPE-6	371	552	0.80	20.3	DC10PCPEB-6	492	732	
7	60	1.60	0.75	18.9	DC10PCPE-7	407	606	0.80	20.3	DC10PCPEB-7	528	785	
8	80	2.13	0.91	23.1	DC10PCPE-8	524	779	0.96	24.4	DC10PCPEB-8	669	996	
9	80	2.13	0.97	24.6	DC10PCPE-9	586	872	1.02	26.0	DC10PCPEB-9	742	1104	
10	80	2.13	0.98	24.9	DC10PCPE-10	611	910	1.03	26.3	DC10PCPEB-10	768	1143	
12	80	2.13	1.01	25.7	DC10PCPE-12	707	1052	1.06	27.0	DC10PCPEB-12	869	1293	
14	80	2.13	1.06	27.0	DC10PCPE-14	806	1199	1.11	28.3	DC10PCPEB-14	976	1452	
16	80	2.13	1.12	28.4	DC10PCPE-16	912	1357	1.17	29.7	DC10PCPEB-16	1090	1622	
18	80	2.13	1.17	29.8	DC10PCPE-18	1011	1505	1.23	31.2	DC10PCPEB-18	1199	1784	
19	80	2.13	1.17	29.8	DC10PCPE-19	1050	1563	1.23	31.2	DC10PCPEB-19	1237	1841	
20	80	2.13	1.23	31.3	DC10PCPE-20	1117	1662	1.29	32.6	DC10PCPEB-20	1313	1954	
22	80	2.13	1.29	32.9	DC10PCPE-22	1224	1821	1.35	34.2	DC10PCPEB-22	1430	2128	
24	80	2.13	1.36	34.4	DC10PCPE-24	1331	1981	1.41	35.8	DC10PCPEB-24	1547	2302	
30	80	2.13	1.45	36.7	DC10PCPE-30	1596	2375	1.50	38.1	DC10PCPEB-30	1826	2717	
37	80	2.13	1.56	39.6	DC10PCPE-37	1931	2873	1.61	40.9	DC10PCPEB-37	2178	3241	
44	110	2.92	1.80	45.8	DC10PCPE-44	2420	3601	1.86	47.2	DC10PCPEB-44	2706	4026	
45	110	2.92	1.80	45.8	DC10PCPE-45	2459	3659	1.86	47.2	DC10PCPEB-45	2744	4084	

Conductor	Armored and Sheathed									
	Jacket Thickness		Nominal OD		Aluminum			Bronze		
Number of Conductors	mils	mm	in	mm	Part Number	Net Weight lb/kft	Net Weight kg/km	Part Number	Net Weight lb/kft	Net Weight kg/km
2	60	1.6	0.74	18.9	DC10PCPEAS-2	265	394	DC10PCPEBS-2	324	482
3	60	1.6	0.80	20.4	DC10PCPEAS-3	341	507	DC10PCPEBS-3	407	605
4	60	1.6	0.85	21.7	DC10PCPEAS-4	403	600	DC10PCPEBS-4	474	706
5	80	2.1	0.95	24.2	DC10PCPEAS-5	503	749	DC10PCPEBS-5	580	864
6	80	2.1	1.01	25.6	DC10PCPEAS-6	572	852	DC10PCPEBS-6	656	976
7	80	2.1	1.01	25.6	DC10PCPEAS-7	610	908	DC10PCPEBS-7	693	1032
8	80	2.1	1.17	29.8	DC10PCPEAS-8	764	1136	DC10PCPEBS-8	865	1287
9	80	2.1	1.23	31.4	DC10PCPEAS-9	840	1250	DC10PCPEBS-9	948	1411
10	80	2.1	1.25	31.6	DC10PCPEAS-10	868	1292	DC10PCPEBS-10	977	1454
12	80	2.1	1.28	32.4	DC10PCPEAS-12	970	1444	DC10PCPEBS-12	1083	1611
14	80	2.1	1.33	33.7	DC10PCPEAS-14	1081	1609	DC10PCPEBS-14	1198	1784
16	80	2.1	1.38	35.1	DC10PCPEAS-16	1197	1781	DC10PCPEBS-16	1320	1965
18	80	2.1	1.44	36.5	DC10PCPEAS-18	1312	1953	DC10PCPEBS-18	1442	2146
19	80	2.1	1.44	36.5	DC10PCPEAS-19	1351	2010	DC10PCPEBS-19	1481	2203
20	80	2.1	1.50	38.0	DC10PCPEAS-20	1431	2130	DC10PCPEBS-20	1567	2332
22	80	2.1	1.56	39.6	DC10PCPEAS-22	1552	2310	DC10PCPEBS-22	1695	2522
24	80	2.1	1.62	41.1	DC10PCPEAS-24	1674	2491	DC10PCPEBS-24	1823	2713
30	80	2.1	1.71	43.5	DC10PCPEAS-30	1959	2916	DC10PCPEBS-30	2118	3153
37	110	2.9	1.89	47.9	DC10PCPEAS-37	2436	3626	DC10PCPEBS-37	2608	3881
44	110	2.9	2.13	54.2	DC10PCPEAS-44	2997	4461	DC10PCPEBS-44	3195	4755
45	110	2.9	2.13	54.2	DC10PCPEAS-45	3036	4518	DC10PCPEBS-45	3234	4813

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