

Alternatives proposées:

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- The image shows four 5x5 dot patterns arranged horizontally. Each pattern is composed of small circles (dots) on a grid. The first pattern represents the digit '1', the second '2', the third '3', and the fourth '4'. Each digit is formed by a specific arrangement of dots within the 5x5 grid.

EXANE® 125

The Ideal Solution for Harsh Oil Rig Environments Found Anywhere in the World

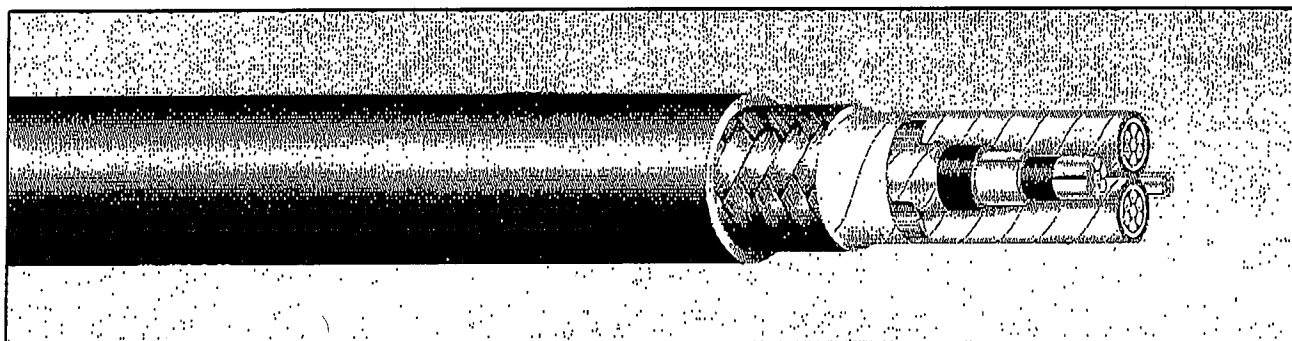
- Wide Size Range (#18 AWG-1111 MCM)
(1.0 mm²-560 mm²)
- Single and Multiconductor — Up to 91 Conductors
- Flexible Stranding — Tinned Copper
Conductors — ASTM B33, B8 and B172
- Irradiation Crosslinked Polyolefin (Exane®)
Insulation
- Free Stripping without Separator over Strand
- High Energy Irradiation Process. Produces Thermoset
Insulation Able to Withstand Thermal Overloads
- Heavy Duty Arctic Grade Neoprene Jacket per
ICEA S-95-658
- Wide Temperature Range -55°C to 125°C
- Passes Cold Bend at -55°C, and Cold Impact at
-40°C

- Excellent Electrical Properties
- Highly Flame Retardant (VW-1, IEEE-383,
IEEE1202, FT-4, IEC 332-3 Cat. A)
- Excellent Moisture Resistance
- Superior Oil and Chemical Resistance
- Superior Abrasion, Crush & High Temperature
Cut Thru Resistance
- Easy to Handle During Installation
- Resistant to Oilfield Drilling Muds

Note: Special wire and cable constructions avail-
able — check with factory. Product available with
blue jackets to indicate intrinsically safe circuit.

Medium Voltage Oil Rig Cable Available

- Voltage Rating: 5000V, 8000V, and 15000V
- Single and 3 Conductor — EPR Insulation
- Size Range: #8 AWG — 1111 MCM
- Meets IEEE-383, IEEE-1202, and IEC 332-3
Cat. A Flame Tests
- Meets IEEE-45 Std 1998, ICEA S-93-639 and
UL 1072
- Approved by ABS and Lloyds Register. DNV
Approval Pending
- Listed by UL for marine applications.
- Available as UL Type CWCMC.



EXANE® 125

EXANE® Product Line

A Unique Combination of Features.

Wire and Cable with Wide Range of World Wide Approvals.

- ITS Listed to IEEE-45 STD 1998, Type P
- Listed — UL 1309 Marine Shipboard Cable
- Listed — CSA
C22.2 No. 245 Marine Shipboard Cable
- Conforms to the Performance Requirements of IEC 92-3
- Accepted by U.S. Coast Guard
- Meets requirements of IEC 60092-353
- Meets requirements of 46 CFR Parts 110 & 111
- Accepted by Canadian Coast Guard
- Approved by ABS
- Approved by DNV
- Approved by Lloyd's U.K., Register of Shipping
- Approved by NVE
- Approved by Korean Register of Shipping
- Meets IEC 332-3 Cat. A Flame Test
- Listed by UL as Type CWCMC for cables with continuously welded and corrugated aluminum armor in accordance with UL 1309.

Engineering Information

Ampacity Ratings Based on the Following*

- 95°C IEC 92-3 Ampacity @ 45°C Ambient in Free Air
- 100°C IEEE-45 STD 1998 @ 45°C Ambient in Free Air
- 125°C ICEA Pub. P-46-426 @ 45°C Ambient in Free Air

*Contact factory for specific installation conditions

Recommended Minimum Dynamic Bend Radius

- Unarmored 6X Finished Cable Diameter
- Armored and Armored and Sheathed Cable 8X Finished Cable Diameter

*Contact factory for specific installation conditions

Standard O.D. Tolerances $\pm 10\%$

Soft Metric Diameter Conversion Factor —
 Inches to Millimeters: Multiply by 25.4

Electrical Values

#18 AWG Pairs and Triads

- Capacitance — pf/ft = 29
- Inductance — milli-henries/1000 ft = .126
- Resistance — Ohms/1000 ft @ 20°C = 6.22

#16 AWG Pairs and Triads

- Capacitance — pf/ft = 31
- Inductance — milli-henries/1000 ft = .117
- Resistance — Ohms/1000 ft @ 20°C = 4.82

#14 AWG Pairs

- Capacitance — pf/ft = 35
- Inductance — milli-henries/1000 ft = .104
- Resistance — Ohms/1000 ft @ 20°C = 3.05

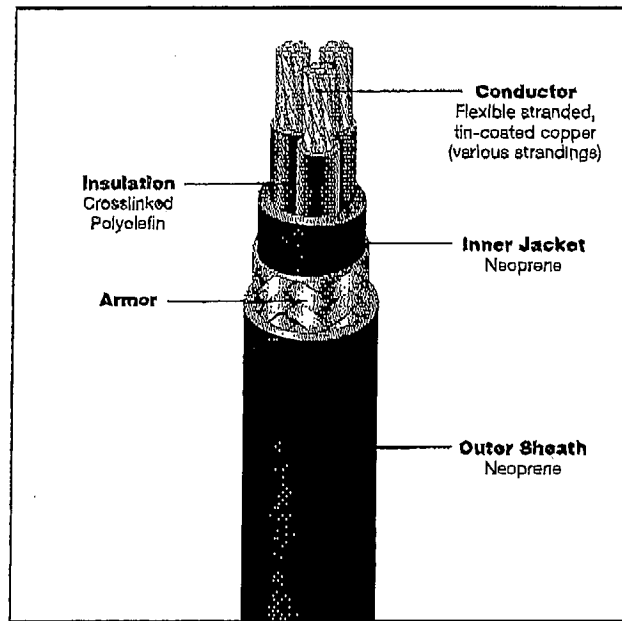
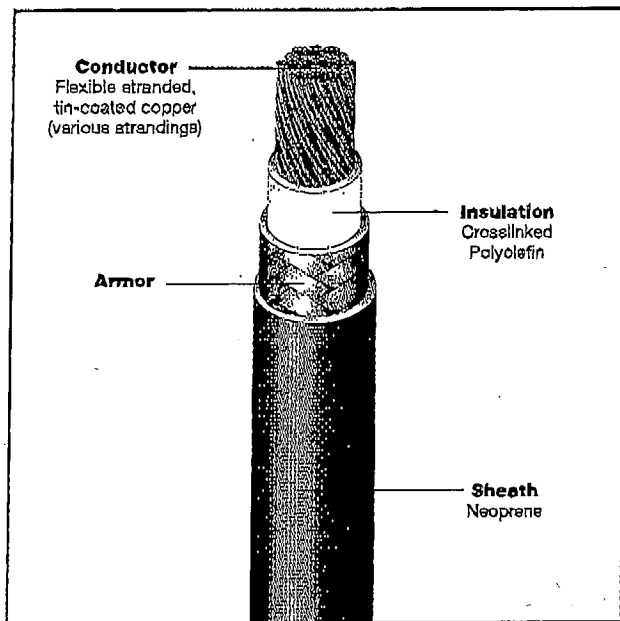
* Contact factory for special electrical requirements.

EXANE® 125

Oil Rig/Commercial Marine Cable

Single Conductor Power RSCC DAA 1048B

Multi-Conductor Power RSCC DAC 1048C



600 & 2000 Volt

Single Conductor Power, Unarmored or Armored and Sheathed.

Conductor:

Flexible, Annealed, Tinned Copper per ASTM B33, B8 and B172

Insulation: Exane®-125

Crosslinked Polyolefin 125°C
(Colors as Required)

A armor:

Bronze, Tinned Copper or Aluminum Braid

Sheath:

Heavy Duty Arctic Neoprene

600 Volt

Multi-Conductor Power Cable, Unarmored or Armored and Sheathed.

Conductors:

Flexible, Annealed, Tinned Copper per ASTM B33, B8 and B172

Insulation: Exane®-125

Crosslinked Polyolefin 125°C

Color Code:

IEEE-45, UL1309 or as Specified by Customer

Fillers:

When Required, Flame Retardant and Non-Hygroscopic

Binder Tape:

Non-Hygroscopic and Non-Wicking

Inner Jacket:

Heavy Duty Arctic Neoprene

A armor:

Bronze, Tinned Copper or Aluminum Braid

Outer Sheath:

Heavy Duty Arctic Neoprene

EXANE® 125

Two Conductor Power Cable: 600 Volt

Size	Unarmored			Armored - "B"		Armored and Sheathed "BN"		Ampacity**		
	Product Number*	Nominal Diameter Inches	Weight Lbs per M FT	Nominal Diameter Inches	Weight Lbs per M FT	Nominal Diameter Inches	Weight Lbs per M FT	IECA	IEEE-45	IEC
								125°C	100°C	95°C
16	02C16	0.352	70	0.407	132	0.535	190	22	19	19
14	02C14	0.380	80	0.435	148	0.560	214	33	31	26
12	02C12	0.416	111	0.480	173	0.605	252	44	40	31
10	02C10	0.490	156	0.575	204	0.670	320	64	49	44
8	02C8	0.590	217	0.645	320	0.775	440	77	64	54
6	02C6	0.688	316	0.743	430	0.911	573	111	85	74
5	02C5	0.785	409	0.840	515	1.020	687	146	101	95
4	02C4	0.868	550	0.943	655	1.090	828	153	110	104
3	02C3	0.918	583	0.973	740	1.140	921	180	132	114
2	02C2	0.988	682	1.043	845	1.215	1059	196	149	130
1	02C1	1.153	923	1.208	1115	1.425	1392	245	174	167
1/0	02C1/0	1.258	1087	1.313	1295	1.525	1598	278	199	190
2/0	02C2/0	1.348	1271	1.403	1490	1.635	1850	309	242	211
3/0	02C3/0	1.560	1870	1.615	2130	1.820	2800	382	265	258
4/0	02C4/0	1.695	2220	1.750	2508	1.985	2932	432	307	293
262	02C262	1.792	2600	1.847	2896	2.145	3269	481	358	325
313	02C313	1.968	3100	2.023	3430	2.305	4000	539	391	363
373	02C373	2.110	3605	2.165	3960	2.410	4650	599	442	405
444	02C444	2.250	4135	2.305	4520	2.570	5250	669	504	452
535	02C535	2.490	4950	2.545	5360	2.840	6150	741	588	508
646	02C646	2.898	5860	2.753	6330	3.065	7175	860	632	571
777	02C777	2.905	7010	2.960	7505	3.195	8400	968	684	641

Three Conductor Power Cable: 600 Volt

Size	Unarmored			Armored - "B"		Armored and Sheathed "BN"		Ampacity**		
	Product Number*	Nominal Diameter Inches	Weight Lbs per M FT	Nominal Diameter Inches	Weight Lbs per M FT	Nominal Diameter Inches	Weight Lbs per M FT	IECA	IEEE-45	IEC
								125°C	100°C	95°C
16	03C16	0.370	84	0.425	142	0.550	212	18	16	16
14	03C14	0.398	103	0.453	165	0.580	245	28	25	21
12	03C12	0.440	135	0.495	202	0.620	285	37	31	25
10	03C10	0.520	202	0.575	280	0.700	375	49	41	37
8	03C8	0.625	280	0.680	390	0.849	536	63	52	45
6	03C6	0.735	405	0.790	539	0.955	697	91	70	61
5	03C5	0.880	570	0.935	753	1.105	913	120	82	78
4	03C4	0.925	700	0.976	853	1.144	1043	128	92	86
3	03C3	0.975	761	1.030	949	1.200	1125	148	108	96
2	03C2	1.050	919	1.105	1006	1.275	1314	161	122	107
1	03C1	1.246	1333	1.300	1495	1.500	1769	202	143	138
1/0	03C1/0	1.340	1552	1.395	1857	1.625	2138	229	164	156
2/0	03C2/0	1.480	1867	1.535	2141	1.765	2500	254	188	173
3/0	03C3/0	1.650	2487	1.705	2741	1.965	3205	313	218	213
4/0	03C4/0	1.810	3020	1.865	3282	2.123	3801	451	252	241
262	03C262	1.940	3499	1.995	3824	2.285	4452	395	294	268
313	03C313	2.090	4103	2.145	4385	2.435	5077	442	321	299
373	03C373	2.195	4743	2.250	5081	2.540	5734	492	361	334
444	03C444	2.395	5552	2.450	6050	2.745	6758	549	411	372
535	03C535	2.680	6824	2.715	7410	3.005	8190	608	465	418
646	03C646	2.905	8018	2.960	8486	3.250	9353	714	516	470
777	03C777	3.040	9382	3.095	9883	3.850	10790	803	582	528

*Exane-125® Ordering Part Number

- Unarmored - use product number. Example: 03C4.
- Armored only - add the letter B. Example: 03CB4.
- Armored and Sheathed - add the letters BN. Example: 03CB4BN.

**Ampacity Ratings Based on the Following

- 95°C IEC Ampacity Regulations in Free Air @ 45°C Ambient
- 100°C IEEE-45 STD 1998 in Free Air @ 45°C Ambient
- 125°C ICEA Pub. P-48-426 in Free Air @ 45°C Ambient

Contact factory for specific environmental conditions.