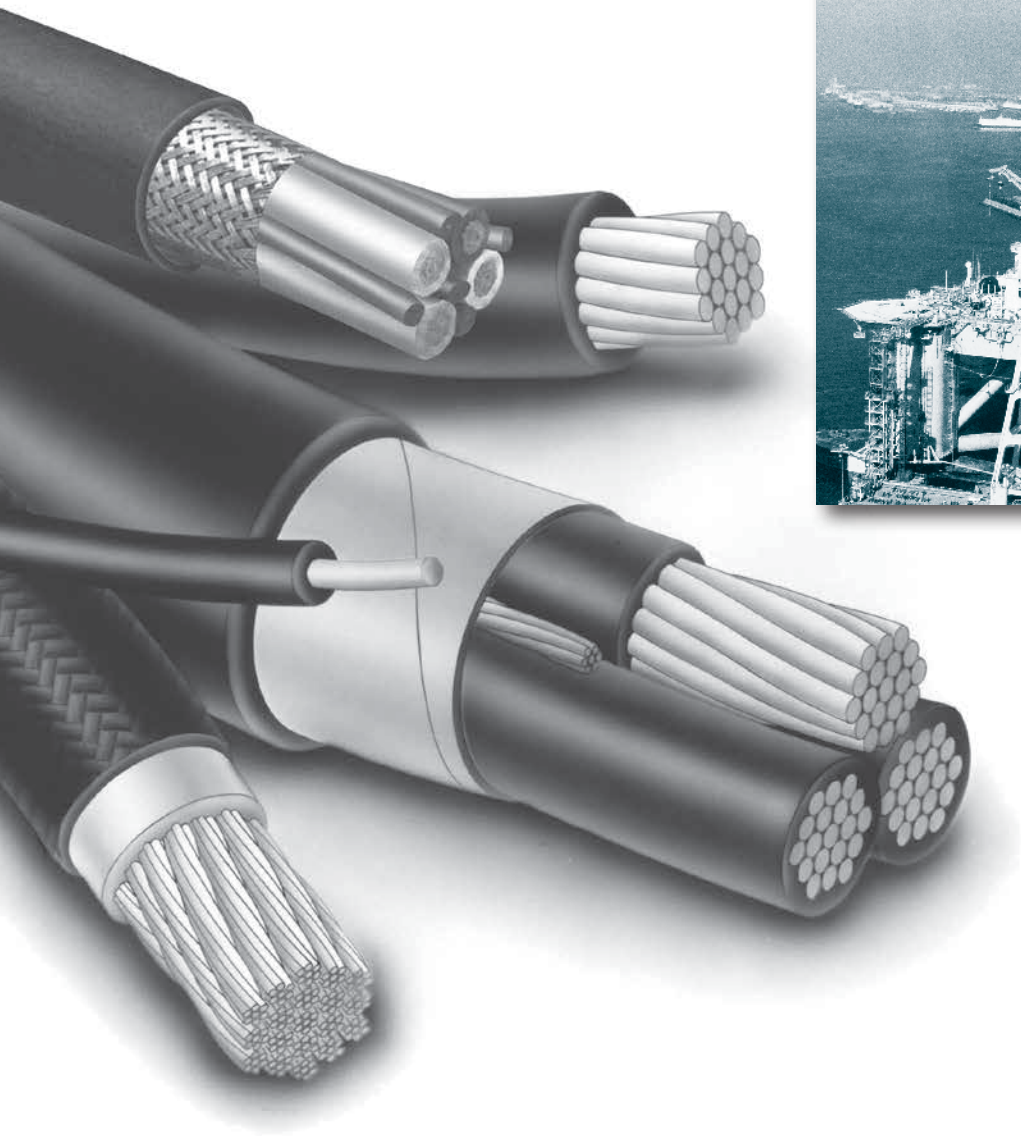


Exane[®] 125

Drilling Rig and
Commercial Marine Cable

RSCC
World Class Engineered Cable



Over 20 Years
of Superior
Performance On
Oil Rigs Around
The World

- Certified as Type "P" per IEEE-45 STD 1998
- Listed by UL for Marine Applications to STD UL 1309
- Meets IEC 332-3 Category A Flame Test
- Approved by ABS, DNV, Lloyds, USCG and Canadian Coast Guard
- CSA listed to C22.2 No. 245
- ITS listed to the performance requirements of IEC 92-3
- ITS listed to the performance requirements of IEC 60092-353

Engineered Wire & Cable for Demanding Applications

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 available — check with factory. Product available with blue jackets to indicate intrinsically safe circuit.



EXANE® Product Line

A Unique Combination of Features.

Wire and Cable with Wide Range of World Wide Approvals.

- ITS Listed to IEEE-45-1998 & IEEE 1580-2001, Type P
- Listed — UL 1309 Marine Shipboard Cable
- Listed — CSA C22.2 No. 245 Marine Shipboard Cable
- ITS Type Approved in accordance with IEC 92-3 and IEC 60092-353
- Accepted by U.S. Coast Guard
- 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
- Meets IEEE 1202 Vertical Cable Tray 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 = 36
- Inductance — milli-henries/1000 ft = .126
- Resistance — Ohms/1000 ft @ 20°C = 6.22

#16 AWG Pairs and Triads

- Capacitance — pf/ft = 39
- Inductance — milli-henries/1000 ft = .117
- Resistance — Ohms/1000 ft @ 20°C = 4.82

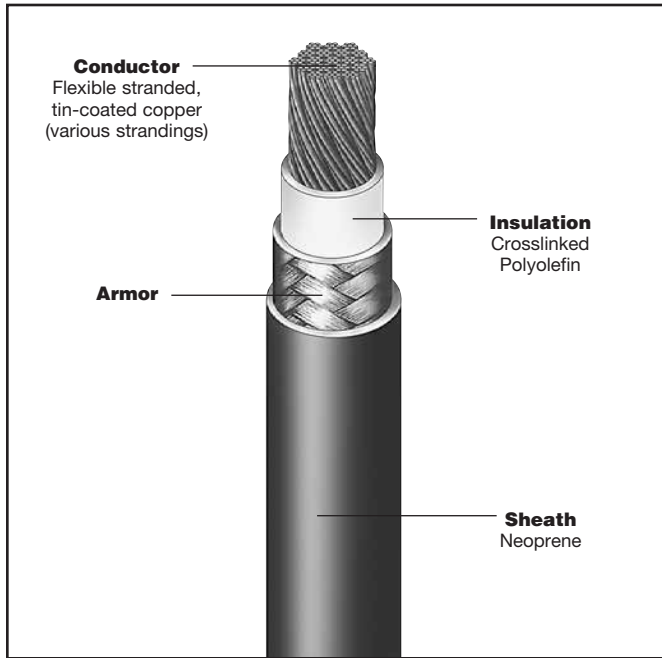
#14 AWG Pairs

- Capacitance — pf/ft = 28
- Inductance — milli-henries/1000 ft = .104
- Resistance — Ohms/1000 ft @ 20°C = 3.05

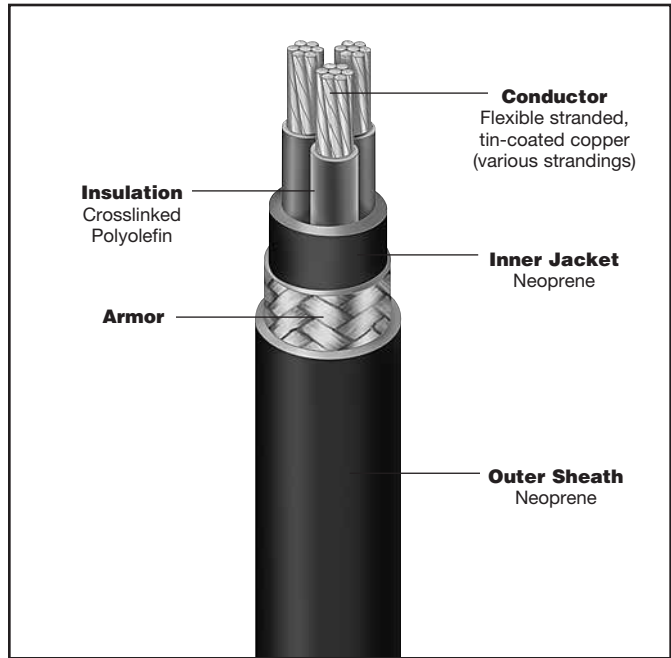
* Contact factory for special electrical requirements.

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)

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

Armor:

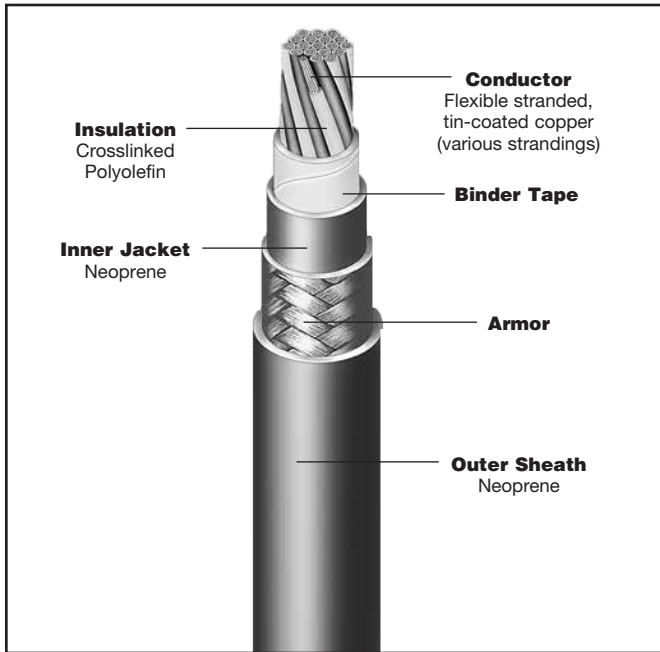
Bronze, Tinned Copper or Aluminum Braid

Outer Sheath:

Heavy Duty Arctic Neoprene

Oil Rig/Commercial Marine Cable

Multi-Conductor Control RSCC DAC 1048C



600 Volt

Multi-Conductor Control Cable, Unarmored or Armored and Sheathed

Conductors:

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

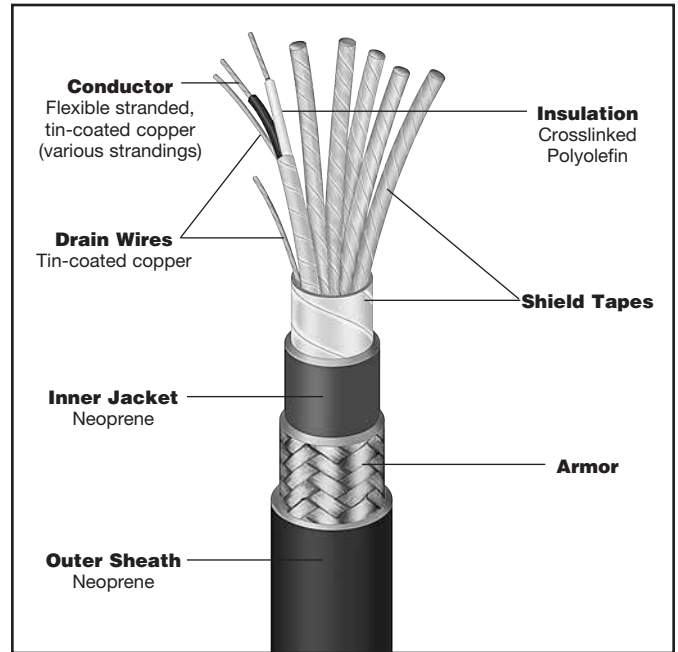
Armor:

Bronze, Tinned Copper or Aluminum Braid

Outer Sheath:

Heavy Duty Arctic Neoprene

Multi-Conductor Instrumentation RSCC DAC 1048C



600 Volt

Multi-Shielded Pairs or Triples with Overall Shield, Unarmored or Armored and Sheathed

Conductors:

Annealed, Tinned Copper per ASTM B33, B8 and B172

Insulation: Exane®-125

Crosslinked Polyolefin 125°C

Pair or Triple Assembly:

Two or Three Conductors Twisted with a Tin-Coated Copper Drain Wire, a Helically Applied Aluminum/Polyester Laminated Tape Shield

Cabling:

Required Number of Pairs or Triples Cabled Together

Color Code:

IEEE-45, UL1309 or as Specified by Customer

Fillers:

When Required, Flame Retardant and Non-Hygroscopic

Overall Shield System:

Helically Applied Aluminum/Polyester Laminated Tape Shield in Continuous Contact with Tin-Coated Copper Drain Wire

Inner Jacket:

Heavy Duty Arctic Neoprene

Armor:

Bronze, Tinned Copper or Aluminum Braid

Outer Sheath:

Heavy Duty Arctic Neoprene

EXANE® 125

One Conductor Wire: 600 Volt

Size	Unarmored				Armored – “B”*		Armored and Sheathed “BN”*		Ampacity**		
	Product Number*	Nominal Conductor Diameter Inches	Nominal Overall 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
22	01C22-600V	0.030	0.090	6					14	N/A	11
20	01C20-600V	0.038	0.098	8					17	12	15
18	01C18-600V	0.047	0.107	11					22	16	20
16	01C16-600V	0.054	0.114	13					25	23	23
14	01C14-600V	0.067	0.127	18					39	37	30
12	01C12-600V	0.086	0.146	27					49	45	36
10	01C10-600V	0.123	0.183	45					68	58	52
8	01C8-600V	0.138	0.231	65	0.286	107	0.410	156	90	72	64
6	01C6-600V	0.190	0.280	101	0.335	150	0.459	208	126	96	87
5	01C5-600V	0.240	0.330	149	0.385	197	0.513	263	158	109	112
4	01C4-600V	0.260	0.350	170	0.405	225	0.533	290	176	128	122
3	01C3-600V	0.285	0.375	195	0.434	270	0.550	337	195	146	137
2	01C2-600V	0.320	0.410	233	0.465	305	0.593	380	217	169	153
1	01C1-600V	0.390	0.500	343	0.550	426	0.678	525	281	194	197
1/0	01C1/0-600V	0.435	0.545	408	0.600	498	0.728	603	319	227	224
2/0	01C2/0-600V	0.480	0.590	481	0.645	502	0.773	675	354	262	248
3/0	01C3/0-600V	0.550	0.660	653	0.715	705	0.883	930	437	300	304

Note: #18 AWG through #3/0 AWG also available in 2000V rated thicknesses when required.

*Exane-125® Ordering Part Number

- Unarmored – use product number. Example: 01C262-600V.
- Armored only – add the letter B. Example: 01C262-600VB.
- Armored and Sheathed – add the letters BN. Example: 01C262-600V BN.

**Ampacity Ratings Based on the Following

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

**Contact Factory for sizes 4/0 AWG to 1111KCMIL.

One Conductor Power Cable: 2000 Volts (Heavy Duty)

Size	Unarmored				Armored – “B”*		Armored and Sheathed “BN”*		Ampacity**		
	Product Number*	Nominal Conductor Diameter Inches	Nominal Overall 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
4/0	01C4/0-HD	0.580	0.790	852	0.845	995	1.013	1139	495	351	345
262	01C262-HD	0.652	0.862	982	0.917	1115	1.085	1303	550	407	383
313	01C313-HD	0.720	0.930	1152	0.985	1296	1.163	1507	617	455	427
373	01C373-HD	0.770	0.980	1354	1.035	1520	1.203	1718	692	516	477
444	01C444-HD	0.845	1.055	1597	1.110	1785	1.280	1995	772	588	532
535	01C535-HD	0.915	1.165	1935	1.220	2194	1.428	2432	871	662	597
646	01C646-HD	1.030	1.270	2264	1.325	2525	1.533	2788	979	731	672
777	01C777-HD	1.120	1.360	2734	1.415	2960	1.643	3304	1101	822	754
1111	01C1111-HD	1.340	1.580	3807	1.635	4005	1.893	4553	1374	1025	943

*Exane-125® Ordering Part Number

- Unarmored – use product number. Example: 01C262-HD.
- Armored only – add the letter B. Example: 01C262-HDB.
- Armored and Sheathed – add the letters BN. Example: 01C262-HD BN.

**Ampacity Ratings Based on the Following

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

Contact factory for specific environmental conditions.

EXANE® 125

One Conductor Wire: 2000 Volt (Standard)

Size	Unarmored				Armored – “B”**		Armored and Sheathed “BN”**		Ampacity**		
	Product Number*	Nominal Conductor Diameter Inches	Nominal Overall 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
18	01C18-2KV	0.047	0.137						22	16	20
16	01C16-2KV	0.054	0.144						25	23	23
14	01C14-2KV	0.067	0.157						39	37	30
12	01C12-2KV	0.086	0.176						49	45	36
10	01C10-2KV	0.123	0.213						68	58	52
8	01C8-2KV	0.138	0.248	70	0.303	111	0.406	150	90	72	64
6	01C6-2KV	0.190	0.300	110	0.355	159	0.459	205	126	96	87
5	01C5-2KV	0.240	0.350	157	0.405	214	0.509	265	158	109	112
4	01C4-2KV	0.260	0.370	178	0.425	239	0.529	292	176	128	122
3	01C3-2KV	0.285	0.395	204	0.450	268	0.578	338	195	146	137
2	01C2-2KV	0.320	0.430	242	0.485	316	0.609	388	217	169	153
1	01C1-2KV	0.390	0.520	355	0.575	440	0.703	528	281	194	197
1/0	01C1/0-2KV	0.435	0.565	428	0.620	525	0.748	619	319	227	224
2/0	01C2/0-2KV	0.480	0.610	496	0.665	595	0.793	695	354	262	248
3/0	01C3/0-2KV	0.550	0.680	668	0.735	780	0.901	925	437	300	304
4/0	01C4/0-2KV	0.580	0.710	785	0.765	902	0.931	1053	495	351	345
262	01C262-2KV	0.652	0.802	946	0.857	1075	1.025	1244	550	407	383
313	01C313-2KV	0.720	0.870	1117	0.925	1256	1.095	1438	617	455	427
373	01C373-2KV	0.770	0.920	1319	0.975	1470	1.145	1661	692	516	477
444	01C444-2KV	0.845	0.995	1554	1.050	1715	1.220	1919	772	588	532
535	01C535-2KV	0.915	1.095	1882	1.150	2057	1.320	2258	871	662	597
646	01C646-2KV	1.030	1.210	2199	1.265	2392	1.435	2635	979	731	672
777	01C777-2KV	1.120	1.300	2686	1.355	2894	1.525	3154	1101	822	754
1111	01C1111-2KV	1.340	1.560	3781	1.615	4031	1.845	4455	1374	1025	943

***Exane-125® Ordering Part Number**

- Unarmored – use product number. Example: 01C262-2KV.
- Armored only – add the letter B. Example: 01C262-2KVB.
- Armored and Sheathed – add the letters BN. Example: 01C262-2KV BN.

****Ampacity Ratings Based on the Following**

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

Contact factory for specific environmental conditions.

*** 4/0 AWG and larger are per UL1309/CSA C22.2 No. 245
 18 AWG to 3/0 AWG are in accordance with IEEE 45 and
 UL 1309/CSA C22.2 No. 245.

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	ICEA	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	2600	382	265	258
4/0	02C4/0	1.695	2220	1.750	2506	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	566	508
646	02C646	2.698	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	ICEA	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	126	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	2.660	6824	2.715	7410	3.005	8190	608	465	418
646	03C646	2.905	8016	2.960	8486	3.250	9353	714	516	470
777	03C777	3.040	9382	3.095	9883	3.850	10790	803	562	528

***Exane-125® Ordering Part Number**

- Unarmored – use product number. Example: 03C4.
- Armored only – add the letter B. Example: 03C4B.
- Armored and Sheathed – add the letters BN. Example: 03C4BN.

****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-46-426 in Free Air @ 45°C Ambient

Contact factory for specific environmental conditions.

EXANE® 125

Four 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	04C16	0.400	102	0.455	162	0.575	235	15	13	13
14	04C14	0.430	127	0.485	198	0.613	271	22	20	17
12	04C12	0.475	158	0.530	238	0.659	329	29	25	20
10	04C10	0.565	260	0.620	334	0.750	445	39	33	29
8	04C8	0.681	355	0.736	475	0.904	623	50	42	36
6	04C6	0.805	540	0.860	672	1.030	856	73	56	49
5	04C5	0.965	750	1.020	915	1.090	1115	96	66	63
4	04C4	1.020	927	1.067	1060	1.235	1277	101	74	68
3	04C3	1.080	1080	1.135	1162	1.300	1389	118	86	76
2	04C2	1.160	1155	1.215	1345	1.425	1683	128	98	86
1	04C1	1.376	1722	1.431	1875	1.659	2325	161	114	110
1/0	04C1/0	1.482	2058	1.537	2200	1.765	2739	182	131	125
2/0	04C2/0	1.650	2471	1.705	2643	1.935	3245	203	150	139
3/0	04C3/0	1.820	3238	1.875	3515	2.135	4096	250	174	170
4/0	04C4/0	1.995	3973	2.050	4115	2.335	4977	283	202	193
262	04C262	2.145	4418	2.200	4795	2.490	5450	315	235	214
313	04C313	2.340	5433	2.395	5680	2.685	6485	353	257	239
373	04C373	2.460	6276	2.515	6680	2.810	7417	393	289	267
444	04C444	2.650	7503	2.705	7820	2.995	8622	438	329	298
535	04C535	2.940	9159	2.995	9660	3.285	10484	504	372	334
646	04C646	3.220	10654	3.275	11193	3.565	12270	567	412	376
777	04C777	3.375	12730	3.430	13290	3.720	14490	638	450	423

Five 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	05C16	0.440	118	0.495	192	0.620	265	15	13	13
14	05C14	0.467	145	0.522	225	0.650	315	22	20	17
12	05C12	0.525	190	0.580	278	0.710	367	29	25	20
10	05C10	0.620	308	0.675	393	0.805	538	39	33	29
8	05C8	0.748	451	0.815	550	0.980	713	50	42	36
6	05C6	0.925	698	0.980	830	1.150	1011	73	56	49
5	05C5	1.060	960	1.115	1140	1.285	1350	73	66	63
4	05C4	1.115	1116	1.170	1240	1.340	1505	101	74	68
3	05C3	1.185	1270	1.240	1470	1.450	1775	118	86	76
2	05C2	1.275	1477	1.335	1630	1.545	1984	128	98	86
1	05C1	1.545	2148	1.605	2425	1.835	2806	161	114	110
1/0	05C1/0	1.700	2514	1.755	2800	2.015	3266	182	131	125
2/0	05C2/0	1.825	3005	1.880	3305	2.140	3898	203	150	139
3/0	05C3/0	2.040	4046	1.095	4386	2.385	5013	250	174	170
4/0	05C4/0	2.210	4682	2.265	5085	2.550	5899	283	202	193

*Exane-125® Ordering Part Number

- Unarmored – use product number. Example: 05C2.
- Armored only – add the letter B. Example: 05C2B.
- Armored and Sheathed – add the letters BN. Example: 05C2BN.

**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-46-426 in Free Air @ 45°C Ambient

Contact factory for specific environmental conditions.

EXANE® 125

#16 AWG Multi-Conductor Control Cable: 600 Volt

Number of Cond.	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	ICEA	IEEE-45	IEC
								125°C	100°C	95°C
4	04C16	0.400	95	0.455	162	0.590	235	15	13	13
5	05C16	0.440	115	0.495	192	0.620	265	15	13	13
7	07C16	0.475	145	0.530	225	0.655	300	15	11	11
8	08C16	0.550	181	0.605	245	0.733	371	13	11	11
10	10C16	0.585	213	0.640	300	0.770	406	9	8	8
16	16C16	0.670	307	0.725	395	0.855	545	9	8	8
20	20C16	0.735	350	0.790	475	0.960	635	9	8	8
24	24C16	0.812	443	0.875	575	1.045	755	8	7	7
37	37C16	0.970	668	1.025	785	1.195	1033	7	6	6
44	44C16	1.085	735	1.140	915	1.315	1125	6	6	6
60	60C16	1.194	1042	1.249	1160	1.457	1514	6	6	6
91	91C16	1.460	1470	1.515	1750	1.745	2119	6	6	6

#14 AWG Multi-Conductor Control Cable: 600 Volt

Number of Cond.	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	ICEA	IEEE-45	IEC
								125°C	100°C	95°C
4	04C14	0.430	115	0.485	191	0.620	275	22	20	17
5	05C14	0.475	158	0.522	225	0.650	315	22	20	17
6	06C14	0.515	179	0.560	250	0.688	340	22	20	17
7	07C14	0.515	199	0.560	265	0.688	366	20	18	15
10	10C14	0.636	2840	0.691	370	0.819	500	14	13	11
12	12C14	0.660	290	0.715	400	0.885	550	14	13	11
14	14C14	0.695	364	0.750	445	0.920	600	14	13	11
20	20C14	0.810	495	0.865	630	1.025	791	14	13	11
24	24C14	0.930	627	0.985	745	1.155	930	13	11	10
30	30C14	0.990	695	1.045	865	1.215	1060	13	11	10
37	37C14	1.060	877	1.115	1025	1.280	1336	11	10	9
44	44C14	1.190	990	1.245	1190	1.455	1510	10	9	7
91	91C14	1.630	1980	1.685	2250	1.915	2750	10	9	7

#12 AWG Multi-Conductor Control Cable: 600 Volt

Number of Cond.	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	ICEA	IEEE-45	IEC
								125°C	100°C	95°C
4	04C12	0.475	155	0.530	138	0.665	325	30	25	20
5	05C12	0.525	190	0.580	278	0.710	370	30	25	20
6	06C12	0.570	220	0.625	320	0.750	415	30	25	20
10	10C12	0.712	389	0.767	475	0.935	649	19	16	13
20	20C12	0.950	714	1.005	840	1.175	1071	19	16	13
24	24C12	1.050	795	1.105	970	1.275	1180	17	14	11
37	37C12	1.190	1140	1.245	1340	1.453	1743	15	12	10

*Exane-125® Ordering Part Number

- Unarmored – use product number. Example: 04C16.
- Armored only – add the letter B. Example: 04C16B.
- Armored and Sheathed – add the letters BN. Example: 04C16BN.

**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-46-426 in Free Air @ 45°C Ambient
- Contact factory for specific environmental conditions.*

EXANE® 125

#18 AWG Instrumentation Cable – Shielded Pairs, Overall Shield: 600 Volts

Number of Pairs	Unarmored			Armored – “B”*		Armored and Sheathed “BN”*	
	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
1	01P18/S-OS	0.340	68	0.405	126	0.530	270
2	02P18/S-OS	0.565	177	0.625	282	0.795	376
3	03P18/S-OS	0.641	225	0.696	335	0.864	454
4	04P18/S-OS	0.694	268	0.749	370	0.917	536
5	05P18/S-OS	0.715	285	0.770	395	0.928	560
7	07P18/S-OS	0.811	364	0.866	500	1.034	656
8	08P18/S-OS	0.950	444	1.010	645	1.173	814
10	10P18/S-OS	1.010	576	1.065	705	1.233	929
12	12P18/S-OS	1.071	655	1.126	798	1.294	998
16	16P18/S-OS	1.179	767	1.234	960	1.442	1194
18	18P18/S-OS	1.225	890	1.280	1110	1.495	1285
24	24P18/S-OS	1.438	1089	1.493	1340	1.721	1688

#16 AWG Instrumentation Cable – Shielded Pairs, Overall Shield: 600 Volts

Number of Pairs	Unarmored			Armored – “B”*		Armored and Sheathed “BN”*	
	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
1	01P16/S-OS	0.360	70	0.415	130	0.545	201
2	02P16/S-OS	0.609	188	0.664	296	0.792	394
3	03P16/S-OS	0.668	243	0.723	353	0.891	487
4	04P16/S-OS	0.685	285	0.740	395	0.908	538
5	05P16/S-OS	0.751	342	0.797	420	0.968	548
7	07P16/S-OS	0.835	385	0.890	540	1.025	695
8	08P16/S-OS	0.972	543	1.027	702	1.205	943
10	10P16/S-OS	1.070	562	1.183	730	1.238	945
12	12P16/S-OS	1.091	714	1.146	820	1.313	1118
16	16P16/S-OS	1.206	895	1.261	1097	1.460	1250
18	18P16/S-OS	1.260	925	1.315	1170	1.515	1370
24	24P16/S-OS	1.485	1288	1.541	1410	1.769	1916

#14 AWG Instrumentation Cable – Shielded Pairs, Overall Shield: 600 Volts

Number of Pairs	Unarmored			Armored – “B”*		Armored and Sheathed “BN”*	
	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
1	01P14/S-OS	0.390	83	0.445	148	0.578	222
2	02P14/S-OS	0.658	241	0.691	335	0.830	425
3	03P14/S-OS	0.685	250	0.740	375	0.905	520
4	04P14/S-OS	0.755	295	0.810	425	0.970	570
5	05P14/S-OS	0.815	350	0.870	580	1.032	649
7	07P14/S-OS	0.930	480	0.985	645	1.143	812
8	08P14/S-OS	1.040	550	1.095	750	1.265	930
10	10P14/S-OS	1.090	690	1.145	805	1.285	1026
12	12P14/S-OS	1.140	755	1.195	955	1.395	1253

***Exane-125® Ordering Part Number**

- Unarmored – use product number. Example: 04P14/S-OS.
- Armored only – add the letter B. Example: 04P14/S-OS-B.
- Armored and Sheathed – add the letters BN. Example: 04P14/S-OS-BN.

EXANE® 125

#18 AWG Instrumentation Cable – Shielded Triads, Overall Shield: 600 Volts

Number of Triads	Unarmored			Armored – “B”*		Armored and Sheathed “BN”*	
	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
1	01T18I/S-OS	0.360	79	0.415	144	0.542	201
2	02T18I/S-OS	0.602	160	0.657	270	0.780	355
3	03T18I/S-OS	0.641	205	0.696	315	0.858	439
4	04T18I/S-OS	0.708	267	0.763	390	0.932	520
5	05T18I/S-OS	0.771	304	0.826	435	0.988	586
7	07T18I/S-OS	0.882	423	0.937	575	1.099	740
8	08T18I/S-OS	0.998	566	1.015	660	1.175	830
12	12T18I/S-OS	1.150	710	1.206	900	1.435	1175

***Exane-125® Ordering Part Number**

- Unarmored – use product number. Example: 04T18I/S-OS.
- Armored only – add the letter B. Example: 04T18I/S-OS-B.
- Armored and Sheathed – add the letters BN. Example: 04T18I/S-OS-BN.

#16 AWG Instrumentation Cable – Shielded Triads, Overall Shield: 600 Volts

Number of Triads	Unarmored			Armored – “B”*		Armored and Sheathed “BN”*	
	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
1	01T16I/S-OS	0.376	129	0.431	146	0.554	207
3	03T16I/S-OS	0.674	241	0.849	335	0.891	483
4	04T16I/S-OS	0.739	303	0.794	425	0.956	565
6	06T16I/S-OS	0.967	538	0.976	585	1.149	810
7	07T16I/S-OS	0.967	480	0.976	635	1.149	810
8	08T16I/S-OS	1.103	600	1.158	685	1.230	983
12	12T16I/S-OS	1.215	817	1.270	1018	1.472	1284

***Exane-125® Ordering Part Number**

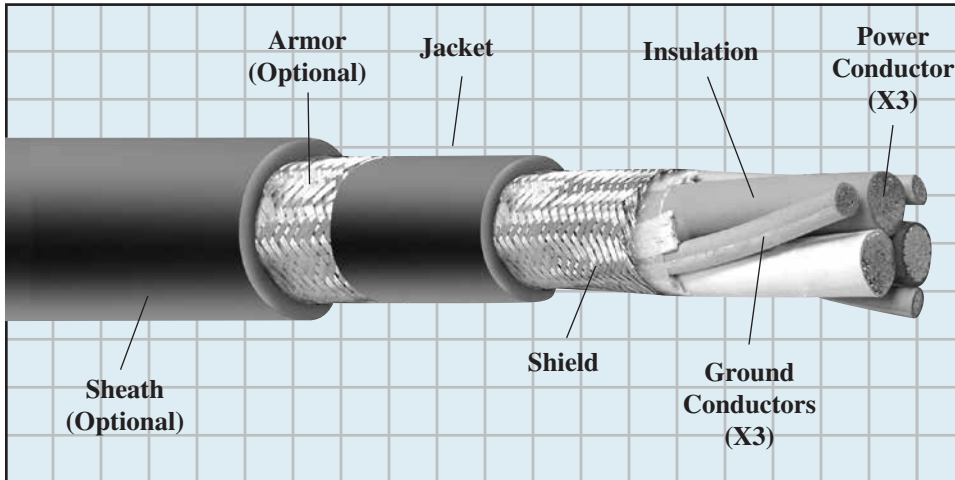
- Unarmored – use product number. Example: 06T16I/S-OS.
- Armored only – add the letter B. Example: 06T16I/S-OS-B.
- Armored and Sheathed – add the letters BN. Example: 06T16I/S-OS-BN.

Exane[®] ZH & ZH-CI

**High Performance LSZH Insulation
Power, Control & Instrumentation Cables**

RSCC
World Class Engineered Cable

- **Exceeds IEC-331**
- **Lower Weight than BFOU**
- **DNV Type Approved**
- **ABS Type Approved**
- **LR Type Approved**
- **Utilizes identical termination devices and procedures as Type P**
- **Exane ZH ampacity matches Type P at 100°C, 110°C & 125°C**
- **Smaller O.D. than BFOU**
- **High Performance and Ease of Installation!**
- **Highly flexible/strips easily**



Exane® VFD Power Cable

- Three Conductor
- Rated 110°C
- ABS, UL, CSA, Lloyds

RSCC Type VFD Power Cables are high performance cables, designed for use in applications where high speed (IGBT Type) AC drives will be utilized. Type VFD cables are flexible, and employ an optimized Tinned Copper braid shield with an

Aluminum/Polyester laminated tape to provide exceptional shielding characteristics. The unarmored cables are dual listed as UL Type TC, and Marine Shipboard Cables.

Features

Optimized tinned copper braid with Aluminum/Polyester laminated tape shielding system provides 100% coverage and an effective electrostatic shield for isolation of the high frequency currents and potentials, and an effective low impedance path to ground for A.C. drive applications.

High Dielectric Strength Insulation

- Withstands Voltage Spikes (2-3X)

Symmetrical Cable Construction

- 3 Phase & 3 Ground Conductors
- Cancellation of Magnetic Fields
- Lower Ground Conductor Current Flow
- Reduction in Common Mode Noise

Flexible Cable

- Class I Conductor and Braid Shield

High Crush and Impact Resistance

- Armored and Non-Armored
- Meets UL 2225 (Type MC) with no Armor

Proven 30 Year Exane® Reliability

- Irradiation Cross-Linked Polyolefin Insulation

Performance Standards

ITS and UL Listed as Marine Shipboard

- UL 1309 Type X110
- IEEE 45 & IEEE 1580 Shipboard
- Un-Armored Also UL Type TC

CSA Listed as Marine Ship Board

- CSA C22.2 No 245 Type X110

ITS Listed as Marine Shipboard – IEC 60092-353

Meets Vertical Tray Flame Tests

- IEEE 1202
- IEC 600332-3 Category A

Meets Cold Temperature Requirements

- UL and CSA -40°C Cold Impact Rated
- -55° C Cold Bend

Armored and Sheathed Cables Suitable for Class I, Div. 1 & Zone 1

Unarmored Cable Suitable for Class I, Div. 2 & Zone 2

Construction

Conductors:

Annealed, Flexible Tinned Copper, Class I per ASTM B33, B172, UL 1309 & CSA C22.2 No. 245

Insulation:

Proprietary, irradiation cross-linked Polyolefin (Exane®).

Circuit Identification:

Power Conductors: Dark Gray, Red, Blue

Ground Conductors: Green

Ground Conductors:

Three segmented, Green Insulated grounding conductors with the same voltage rating as the circuit conductors.

Fillers:

Flame retardant, fibrillated Polypropylene as required.

Shield:

Overall, optimized Tinned Copper braid with Aluminum/Polyester laminated tape providing 100% coverage.

Jacket:

Black, heavy duty, arctic grade Neoprene. Colored Neoprene available on request

Armor (optional):

Braided Bronze armor. Aluminum or Tinned Copper braided armor available on request.

Sheath (optional):

Black, heavy duty, arctic grade Neoprene. Colored Neoprene available on request

600V EXAXNE® VFD

600V 3/C Type VFD Flexible Marine Variable Frequency Drive Cables 3/C Cables with AL/Polyester Tape Shield + T.C. Braid and 3 Insulated Tinned Copper Grounds

Conductor		Diameter Over Insulation	T.C. Insulated Grounds	Unarmored Cables			Armored & Sheathed Cables				
				Part No. VFD-3C-	Nominal Diameter	Weight	Part No. VFD-3C-	Nominal Diameter	Weight		
AWG	Sq. mm	Inches	No. X AWG	Inch	mm	lb/1,000ft	Kg/Km	Inch	mm	lb/1,000ft	Kg/Km
14	1.94	0.127	3 X 18	0.460	11.7	189	281	0.635	16.1	349	249
12	3.08	0.145	3 X 16	0.530	13.5	251	373	0.705	17.9	436	296
10	5.53	0.176	3 X 14	0.605	15.4	345	514	0.780	19.8	554	400
8	7.6	0.228	3 X 14	0.705	17.9	444	661	0.930	23.6	728	535
6	12.5	0.280	3 X 12	0.740	18.8	585	870	0.965	24.5	882	765
5	18.6	0.330	3 X 12	0.900	22.9	807	1201	1.115	28.3	1162	1020
4	21.5	0.350	3 X 12	0.940	23.9	886	1319	1.155	29.3	1253	1106
3	25.6	0.375	3 X 10	0.995	25.3	1033	1537	1.210	30.7	1419	1256
2	30.7	0.405	3 X 10	1.060	26.9	1174	1747	1.275	32.4	1585	1416
1	46.1	0.495	3 X 10	1.255	31.9	1636	2435	1.470	37.3	2123	1906
1/0	56.3	0.535	3 X 10	1.340	34.0	1895	2819	1.555	39.5	2414	2185
2/0	66.5	0.570	3 X 10	1.415	35.9	2113	3145	1.630	41.4	2654	2463
3/0	92.1	0.655	3 X 8	1.600	40.6	2818	4194	1.875	47.6	3550	3290
4/0	112.6	0.690	3 X 8	1.735	44.1	3339	4968	2.010	51.1	4119	3708
262	133.1	0.775	3 X 6	1.915	48.6	4005	5960	2.195	55.8	4869	4561
313	158.7	0.845	3 X 6	2.070	52.6	4744	7059	2.345	59.6	5664	5212
373	189.4	0.890	3 X 6	3.000	76.2	5297	7883	2.440	62.0	6273	5944
444	225.2	0.975	3 X 6	2.350	59.7	6180	9196	2.625	66.7	7226	6821
535	271.2	1.080	3 X 6	2.575	65.4	7577	11275	2.910	73.9	8892	8240
646	327.5	1.170	3 X 6	2.830	71.9	8856	13179	3.165	80.4	10320	9878

Notes: (1) Tolerance on insulated conductor diameter = +/- 10% (= < 6 AWG)
= +/- 5% (= > 5 AWG)

(2) Tolerance on overall cable diameters = +/- 5%

2KV Heavy Duty EXANE[®] VFD

2 KV Heavy Duty Type VFD Flexible Marine Variable Frequency Drive Cables 3/C Cables with AL/Polyester Tape Shield + T.C. Braid and 3 Insulated Tinned Copper Grounds

Conductor	Diameter Over Insulation		T.C. Insulated Grounds	Unarmored Cables			Armored & Sheathed Cables											
	Inches	mm		Part No. VFD-3C-HD	Nominal Diameter	Weight	Part No. VFD-3C-HD	Nominal Diameter	Weight									
										Inch	mm	lb/1,000ft	Kg/Km	Inch	mm	lb/1,000ft	Kg/Km	
AWG Sq. mm			No. X AWG															
4/0	112.6	0.790	20.1	3 X 8	4/0-2KV	2.020	51.3	3826	5694	4/0-2KV-BN	2.315	58.8	4734	7045				
262	133.1	0.862	21.9	3 X 6	262-2KV	2.175	55.2	4464	6643	262-2KV-BN	2.470	62.7	5430	8080				
313	158.7	0.930	23.6	3 X 6	313-2KV	2.320	58.9	5111	7606	313-2KV-BN	2.615	66.4	6138	9135				
373	189.4	0.980	24.9	3 X 6	373-2KV	2.430	61.7	5813	8651	373-2KV-BN	2.725	69.2	6902	10272				
444	225.2	1.055	26.8	3 X 6	444-2KV	2.590	65.8	6689	9955	444-2KV-BN	2.945	74.8	8034	11956				
535	271.2	1.155	29.3	3 X 6	535-2KV	2.865	72.8	8075	12017	535-2KV-BN	3.220	81.8	9566	14235				
646	327.5	1.270	32.3	3 X 6	646-2KV	3.115	79.1	9447	14058	646-2KV-BN	3.470	88.1	11047	16440				

Notes: (1) Tolerance on insulated conductor diameter = +/- 5%
(2) Tolerance on overall cable diameters = +/- 5%

2KV EXANE® VFD

2KV 3/C Type VFD Flexible Marine Variable Frequency Drive Cables 3/C Cables with AL/Polyester Tape Shield + T.C. Braid and 3 Insulated Tinned Copper Grounds

Conductor		Diameter Over Insulation		T.C. Insulated Grounds		Unarmored Cables			Armored & Sheathed Cables			
		Inches	mm	No. X AWG	Part No. VFD-3C-	Nominal Diameter	Weight	Part No. VFD-3C-	Nominal Diameter	Weight		
AWG	Sq. mm				Inch	mm	lb/1,000ft	Kg/Km	Inch	mm	lb/1,000ft	Kg/Km
14	1.94	0.157	4.0	3 X 18	0.625	15.9	295	439	0.800	20.3	503	749
12	3.08	0.175	4.4	3 X 16	0.665	16.9	347	516	0.880	22.4	603	897
10	5.53	0.206	5.2	3 X 14	0.740	18.8	452	673	0.965	24.5	730	1087
8	7.6	0.248	6.3	3 X 14	0.820	20.8	546	813	1.045	26.5	856	1274
6	12.5	0.300	7.6	3 X 12	0.990	25.1	785	1168	1.205	30.6	1149	1710
5	18.6	0.350	8.9	3 X 12	1.090	27.7	973	1448	1.300	33.0	1375	2046
4	21.5	0.370	9.4	3 X 12	1.125	28.6	1056	1572	1.340	34.0	1467	2184
3	25.6	0.395	10.0	3 X 10	1.205	30.6	1233	1835	1.420	36.1	1664	2476
2	30.7	0.425	10.8	3 X 10	1.150	29.2	1265	1883	1.365	34.7	1683	2504
1	46.1	0.515	13.1	3 X 10	1.345	34.2	1740	2589	1.560	39.6	2221	3305
1/0	56.3	0.555	14.1	3 X 10	1.430	36.3	2004	2982	1.645	41.8	2518	3747
2/0	66.5	0.590	15.0	3 X 10	1.505	38.2	2219	3303	1.780	45.2	2876	4280
3/0	92.1	0.675	17.1	3 X 8	1.750	44.5	3051	4541	2.025	51.4	3798	5653
4/0	112.6	0.710	18.0	3 X 8	1.825	46.4	3476	5173	2.100	53.3	4267	6350
262	133.1	0.795	20.2	3 X 6	2.010	51.1	4154	6181	2.285	58.0	5009	7454
313	158.7	0.865	22.0	3 X 6	2.160	54.9	4902	7295	2.435	61.8	5829	8675
373	189.4	0.910	23.1	3 X 6	2.255	57.3	5461	8128	2.530	64.3	6421	9555
444	225.2	0.995	25.3	3 X 6	2.440	62.0	6357	9460	2.715	69.0	7402	11016
535	271.2	1.100	27.9	3 X 6	2.665	67.7	7691	11446	3.000	76.2	9030	13439
646	327.5	1.190	30.2	3 X 6	2.920	74.2	8980	13364	3.255	82.7	10425	15515

Notes: (1) Tolerance on insulated conductor diameter = +/- 10% (= < 6 AWG)
= +/- 5% (= > 5 AWG)

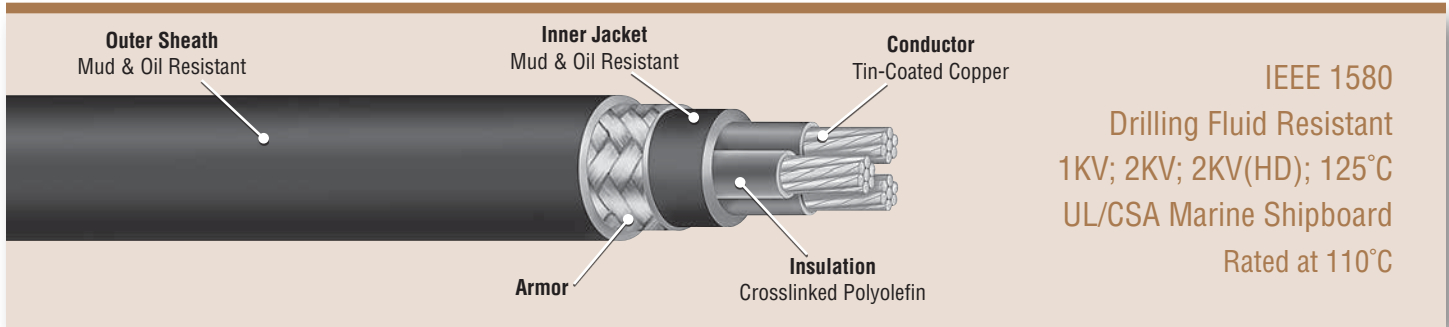
(2) Tolerance on overall cable diameters = +/- 5%

RSCC
World Class Engineered Cable

Exane[®]
MR



Mud & Oil Resistant
Power, Control & Instrumentation Cables



Features

- Thermoset insulation
- Heat, sunlight, & moisture resistant
- Extremely flame retardant
- Easy to install
- Easy to strip – has no separator tape
- Extremely flexible
- Flexible Tin-coated conductors for improved terminations and corrosion resistance
- Pigmented insulation with vivid colors
- Passes the UL 2225 Crush & Impact Test requirements for Type MC-HL
- Passes minus 55°C cold bend
- Passes minus 40°C cold impact

Performance Standards

- IEEE 45/1580 Type P
- UL 1309 X110 Marine Shipboard Cable
- CSA C22.2 No. 245 X110 Marine Shipboard
- Intertek Testing Service (ETL) certified as Type P
- Passes IEEE 1202 & FT-4, 70,000 Btu/hr Vertical Tray Flame Tests
- Passes the IEC 60332-3-22 Category A/F Flame Test
- Type Approved by ABS, DNV and Lloyd's Register NA
- Armored & Sheathed cables are suitable for use in Class 1, Division 1 and Zone 1 hazardous locations
- Unarmored cables are suitable for use in Class 1, Div 2 & Zone 2
- Passes mud & oil resistance per IEC 61892-4-Annex D

Construction

Conductor: Flexible, soft annealed tinned copper per ASTM B33 & IEEE 1580

Insulation: Irradiation cross-linked Polyolefin, Exane[®] 125°C

Circuit Identification: Standard – Vivid pigmented insulation colors per IEEE 1580. Optional – Dk. Gray + No's

Fillers: When required, flame retardant and non-hygroscopic

Inner Jacket: Black, cross-linked chlorosulfonated Polyethylene (CSPE). Sunlight resistant

Armor (optional): Bronze Braid – Standard. Tinned Copper Braid – Optional

Outer Jacket (optional): Black, cross-linked chlorosulfonated Polyethylene (CSPE). Sunlight resistant

Temperature Rating: RSCC Wire & Cable rated 125°C, UL/CSA 110°C, IEEE 100°C

Scope

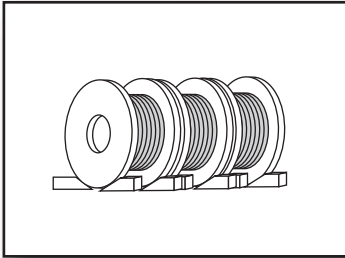
Exane[®] MR multi-conductor power cables, armored & unarmored, rated 1KV, 2KV and 2KVHD are an extremely tough construction ideally suited for use in rugged marine/oil rig applications exposed to drilling fluids and muds. The Exane insulation is radiation cross-linked and provides outstanding physical properties, resistance to abrasion, cut-through, low and high temperatures, drilling fluids and muds, sunlight, flame, and moisture. Exane[®] MR is extremely tough and durable and withstands the arduous environmental conditions experienced in offshore mobile drilling units (MODU), FPSO's, TLP's and land rigs for oil and gas drilling rigs. Exane[®] MR's 125°C temperature rating for short durations lends itself to handle higher ampacity levels and higher safety margins in the field. It's extremely flexible design and tightly controlled dimensions lead to benefits regarding lower weight, tray fill, ease of installation and long service life in drag chains.



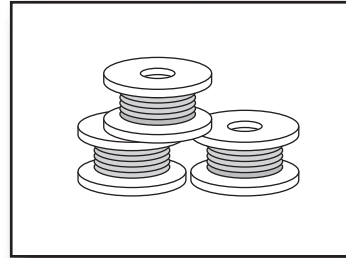
A Marmon Wire & Cable / Berkshire Hathaway Company



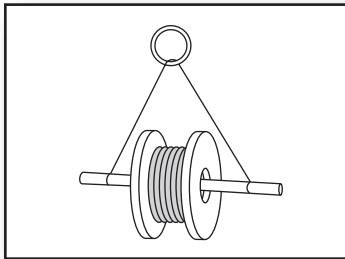
How To Handle Cable Reels



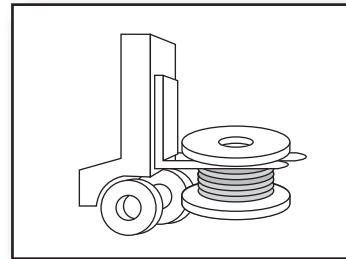
Always load and store reels upright on their flanges and block securely.



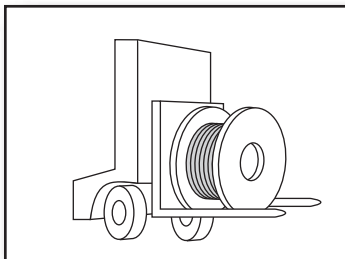
Upended heavy reels will often be damaged.



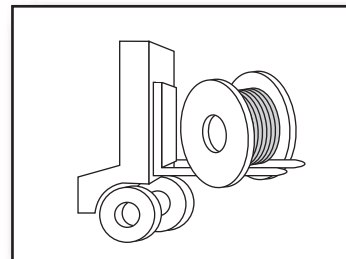
Reels can be hoisted with a properly secured shaft extending through both flanges.



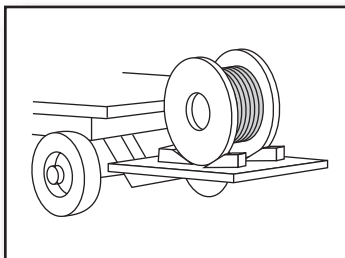
Do not lift by a single reel flange. Cable or reel may be damaged.



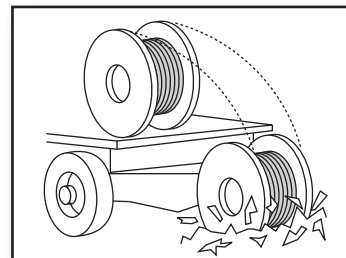
Cradle both reel flanges between fork tines.



Never allow fork tines to touch the cable surface or reel wrap.



Lower reels from a truck using a hydraulic gate, hoist or fork lift. **LOWER CAREFULLY.**



Never drop reels.

ISO 9001 REGISTERED



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